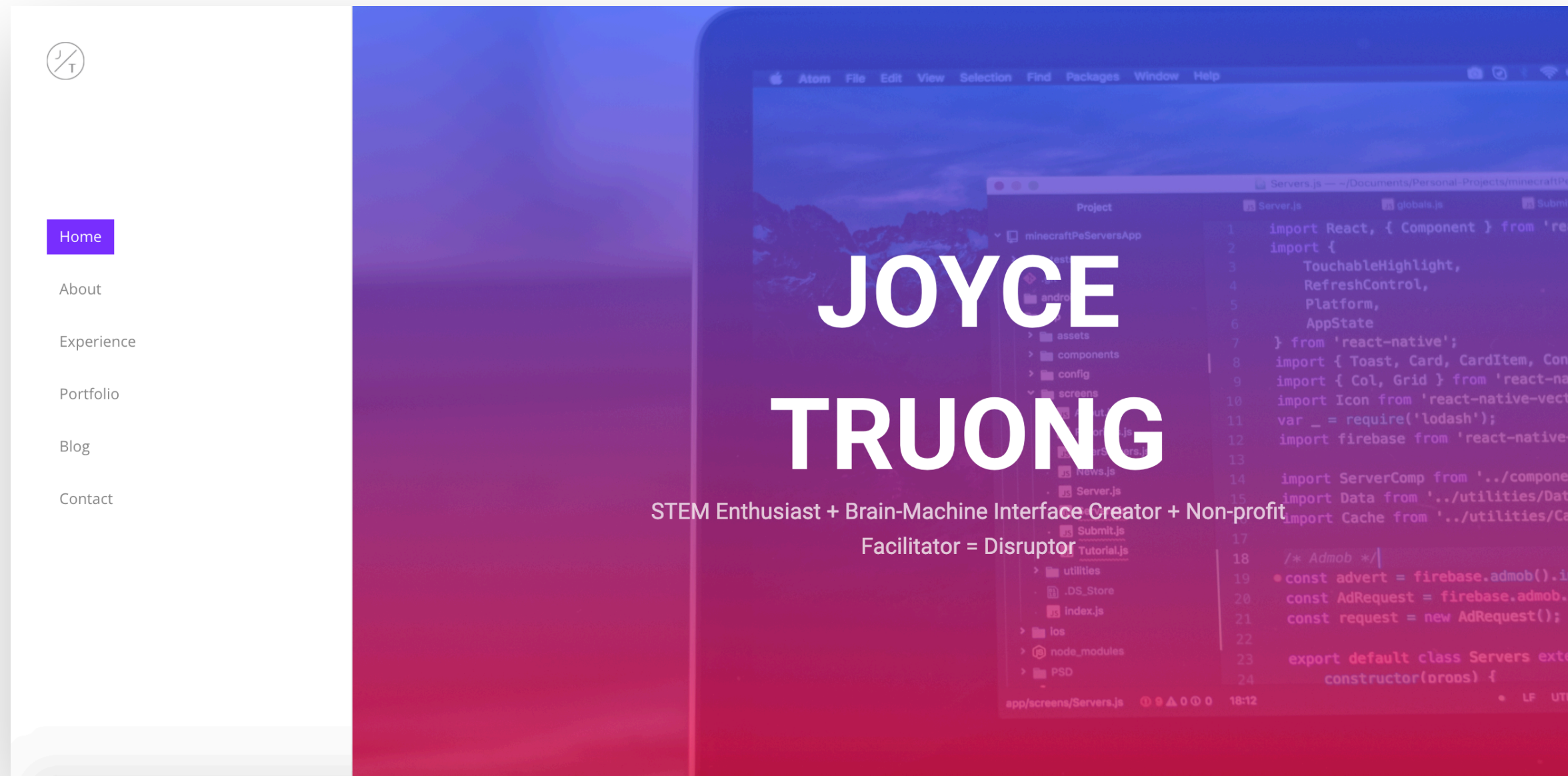


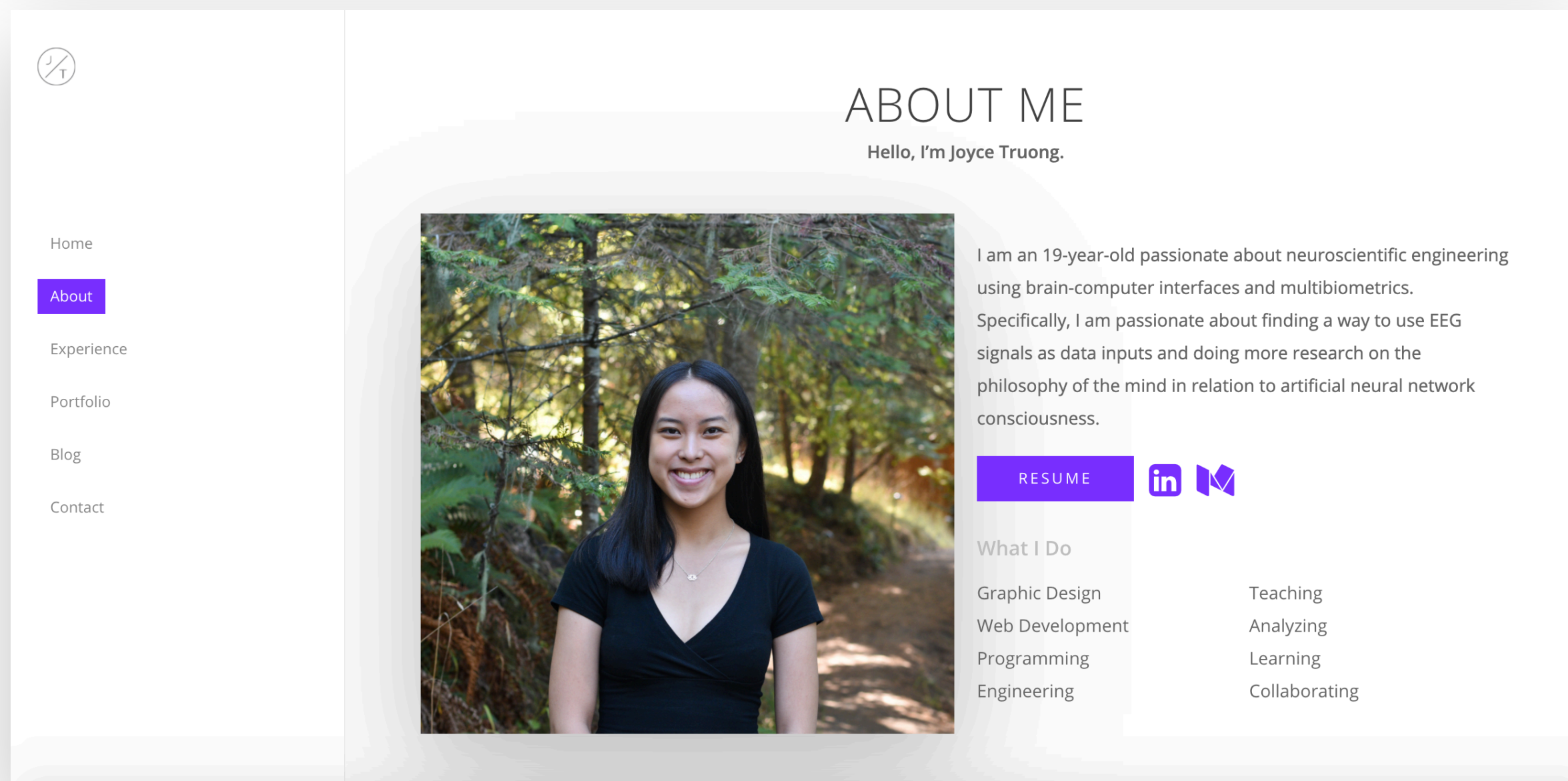
**DESIGN**

**PORTFOLIO**

**JOYCE TRUONG**



joycetruong.com  
Tools: Wordpress & PHP



Personal website resume created with Wordpress & PHP.

Joyce Truong

Brain-Machine Interface Creator | Non-Profit Facilitator | STEM Enthusiast

Who am I?

I am a freshman pursuing a degree in Artificial Intelligence and minor in Design at Carnegie Mellon University. My passions include brain-machine and human-computer interface engineering, neurophilosophy, STEM advocacy, and user experience design. I am also an artificial intelligence developer, writer, and creator.

Experience

Lab Researcher

CMU HCI Institute

Pittsburgh, PA

Nov 2020 - Present

Currently researching 3D food printing with syringe-based extrusions in suspension baths using kitchen supplies and everyday ingredients. Collaborating with a graduate student and 3 experts from the Morphing Matter Lab at Carnegie Mellon University to find ways to integrate nutritional content into different 3D food printing techniques and substances.

Lab Assistant

CMU Robotics Institute

Pittsburgh, PA

Oct 2020 - Present

Currently coding a social navigation benchmarking tool for robots as part of the Human and Robot Partners Lab at Carnegie Mellon University. Using Python libraries such as NumPy and SciPy to code the asynchronous robot navigation mode in which robots learn how to navigate through real-world obstacles in real time.

Managing Editor & Head of Technology

First Person Magazine

Victoria, BC

Jan 2019 - Mar 2020

Pioneered the first innovation, design, and technology team of 5 creatives. Solely responsible for the development, design, and publication of all 9 issues of the magazine's website and print editions by using WordPress, PHP, Adobe InDesign, and Adobe Illustrator. Mentored the incoming technology team on using WordPress and PHP.

Co-Leader

Social Innovation Club

Victoria, BC

Sep 2018 - Mar 2020

Worked with 12 social entrepreneurs to create an innovation project grocery delivery, which saved each person 3 hours weekly while reducing fuel-based environmental footprint. Created and managed the organization's website using HTML/CSS/JavaScript. Raised \$1000 for charities to fund future community projects.

Leader

Computer Science Club

Victoria, BC

Sep 2018 - Mar 2020

Taught 14 inexperienced students from 10 different countries weekly HTML/CSS/JavaScript, and Arduino seminars and projects. Led the development of an auto-sorting Python program that organized kitchen work schedule on maximizing diversity, which saved administrative staff 72 hours of work.

Innovator

The Knowledge Society

Toronto, ON

Oct 2017 - Jun 2019

Selected as one of the top 15% of applicants for the first-ever program for high entrepreneurial potential about exponential technologies, networked mindsets. Part of the top 3% within the program selected to demo at world-scale tech conferences, such as TribalScale's TakeOver Innovation Summit in Montréal, about multibiometrics and visual-evoked potential technology.

Education

Carnegie Mellon University

Pittsburgh, PA

Aug 2020 - Present

B.S. in Computer Science | GPA: 3.77, Dean's List with High Honors  
5% admission acceptance rate, Top computer science school in the world

Lester B. Pearson United World College

Victoria, BC

Aug 2018 - Jun 2020

International Baccalaureate Program  
1 of 100 selected internationally, Higher Level Math, Philosophy, Chemistry, and Physics  
Thesis: Simulation of Artificial Consciousness Using Artificial Neural Networks (Philosophy)

Awards

2x DECA Business Case Competition International Competitor

(2018: Top 10 in the world & 2nd provincially for Operations Research, 2017: 8th provincially for Marketing), University of Waterloo Math & Computing

(2012-2018: Honour Roll Top 5% & Top 25% recognition for various mathematical and computing contests), Academic Achievement Awards

(School of Computer Science Fall 2020 Dean's List with High Honors, 2018 AP Scholar With Honor, Highest Overall Achievement Award; English, Mathematics, Computer Technology, Physical Education, and Geography Subject Awards; Honour Roll).

JOYCE TRUONG

Non-profit Facilitator |  
Biometrics Creator |  
STEM Enthusiast

WHO AM I:

I am an first year student at Pearson College UWC, passionate about interdisciplinary bio-medical science, cognitive and neuroscientific engineering, and anything tech. I have years of experience in software, hardware, team management, and design.

EXPERIENCE

2018

Royal Bank of Canada

Innovation Analyst

Collaborative work environment on innovation projects to initiate change in the organization.

2016-2019

DECA

President & Marketing Director

Trained more than 100 members who qualified provincially and designed promotional materials.

2017-2018

The Knowledge Society

Innovator

Went into deep focus into AI, VR and AR, genomics, blockchain, and quantum computing. TKS is known as one of the best programs for learning globally.

2017-2018

L.I.G.H.T. - One Child One World

Director &amp; Designer

Organized and facilitated 6 free camps and 2 tutoring program for underprivileged children.

2017-2018

Power Unit Youth Organization

Marketing Team Lead

Lead a team to create a career conference for high school students all over Toronto.

2017-2018

FUSE Society

Academic Coordinator

Created 5+ business lessons including technological trends and AI, distribution, and promotional strategies. Also wrote 3+ case studies for competitions.

EDUCATION

Lester B. Pearson College United World Colleges

2018-present

Student in the International Baccalaureate Program  
1 of 100 students selected internationally

Richmond Hill High School

2015-2018

Student in the Gifted/Enriched Program, 2015-2017  
Student in the Advanced Placement Program, 2017-2018

AWARD

2x DECA International Competitor

2017/2018

8th at Provincials for Marketing Orals, 2017  
2nd at Provincials Operations Research Writtens, 2018

Academic Achievement Awards

2016/2017

Grade 10 Highest Overall Achievement Award; English, Mathematics, Computer Technology, Physical Education, and Geography Subject Awards; Honour Roll Award.

Waterloo Math & Computing

2012-2018

Honour Roll and Top 25% recognition for various mathematical and computing University of Waterloo contests.

PROFESSIONAL SKILLS

OVERVIEW

HARDWARE

PITCHING

MICROSOFT OFFICE

GRAPHIC DESIGN

SOFTWARE PROGRAMMING

APP DESIGN

DESIGNING

Photoshop

InDesign

Illustrator

WP

HTML

Typography

PROGRAMMING

Python

JavaScript

Java

HTML

MATLABs

Arduino

# Resumes

## Tools: Adobe Illustrator & Photoshop

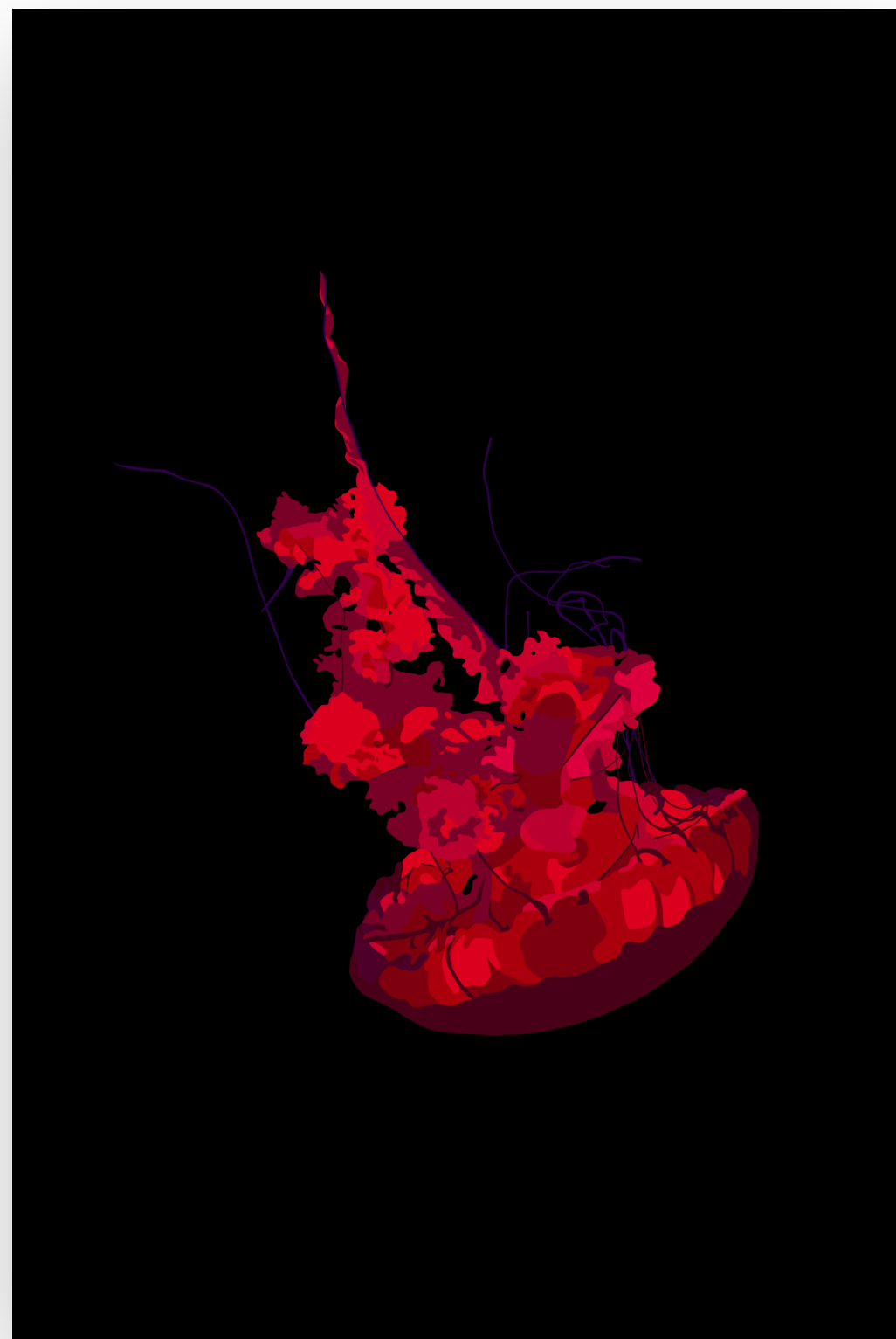
## Personal resumes created from scratch using Adobe Creative Cloud.



# Wedding Artwork

**Tools: iPad Pro & Procreate**

Color-block artwork created as a wedding gift for my older brother on the iPad Pro using the Procreate app. Done by isolating large color sections on a photograph.



# Memories Triptych

**Tools: iPad Pro & Procreate**

A trio of memories drawn on the iPad Pro using the Procreate app. Done as a gift to a friend by drawing photos without blending colors together.



# Portrait of Sierra

**Tools: iPad Pro & Procreate**

A portrait of a friend holding a miniature version of her cat, Tofu. Done as a fun side project and as practice with the Procreate app and drawing on an iPad Pro.



# Colored Sketches

**Tools: Prismacolor Color Pencils**

Colored sketches done using Prismacolors and reference photographs. A blending pencil was also used for both.



# Magazine Article

## Tools: Adobe Photoshop & InDesign

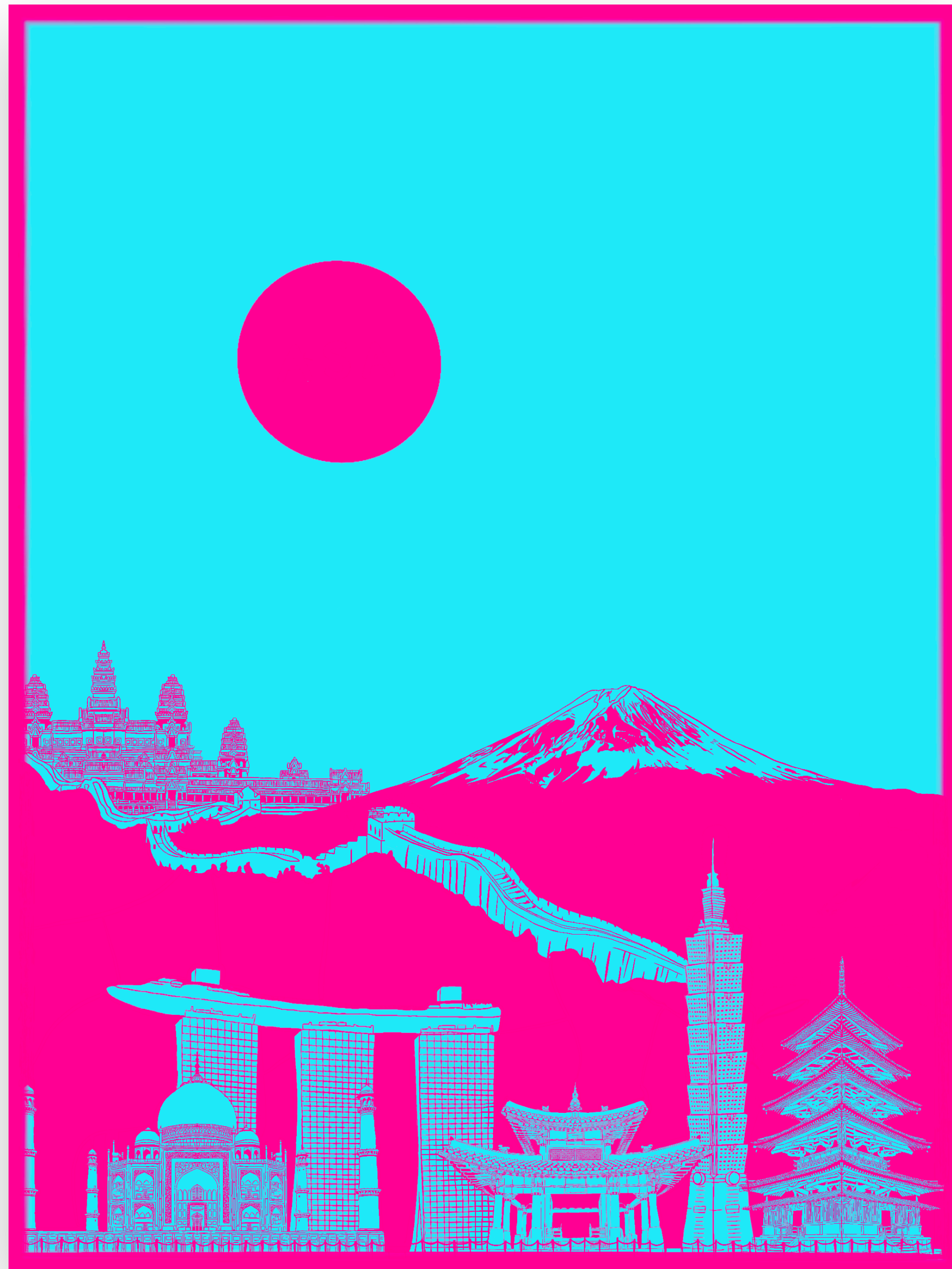
Magazine article designed for the school newspaper, Spyglass, using Adobe Creative Cloud.



# Magazine Article 2

## Tools: Adobe Photoshop & InDesign

Another magazine article designed for the school newspaper.



# Procreate ASA Artwork

**Tools: iPad Pro & Procreate**

A digital drawing created to capture a variety of different, famous buildings from all around Asia. Illustrated as a representation of the South, Southeast, and East Asian communities all part of the Asian Student Association at CMU.

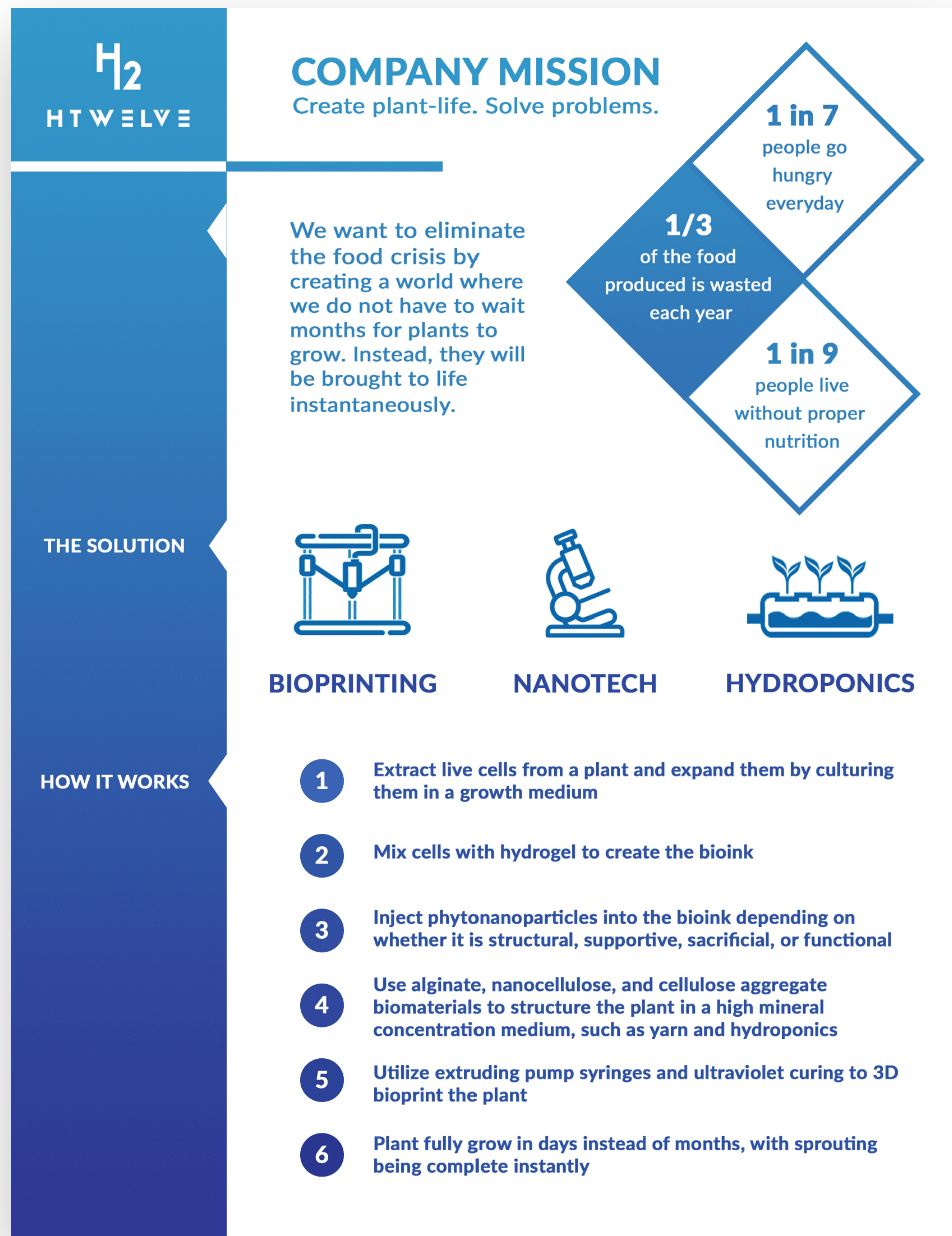
Joyce  
Truong



# Calligraphy

**Tools: iPad Pro & Procreate**

Some calligraphy done for fun on the iPad. I also enjoy doing calligraphy using various markers and fountain pens!



# H-Twelve One-Pager

**Tools: Adobe Illustrator & InDesign**

A one-pager designed from scratch using Adobe Creative Cloud to highlight a moonshot idea that a friend and I had, which entailed 3D bioprinting plants.

What is your favourite  
temperature?

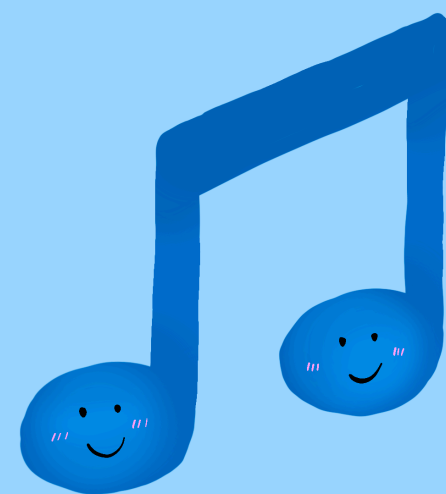


in °F or °C!

is cereal soup?



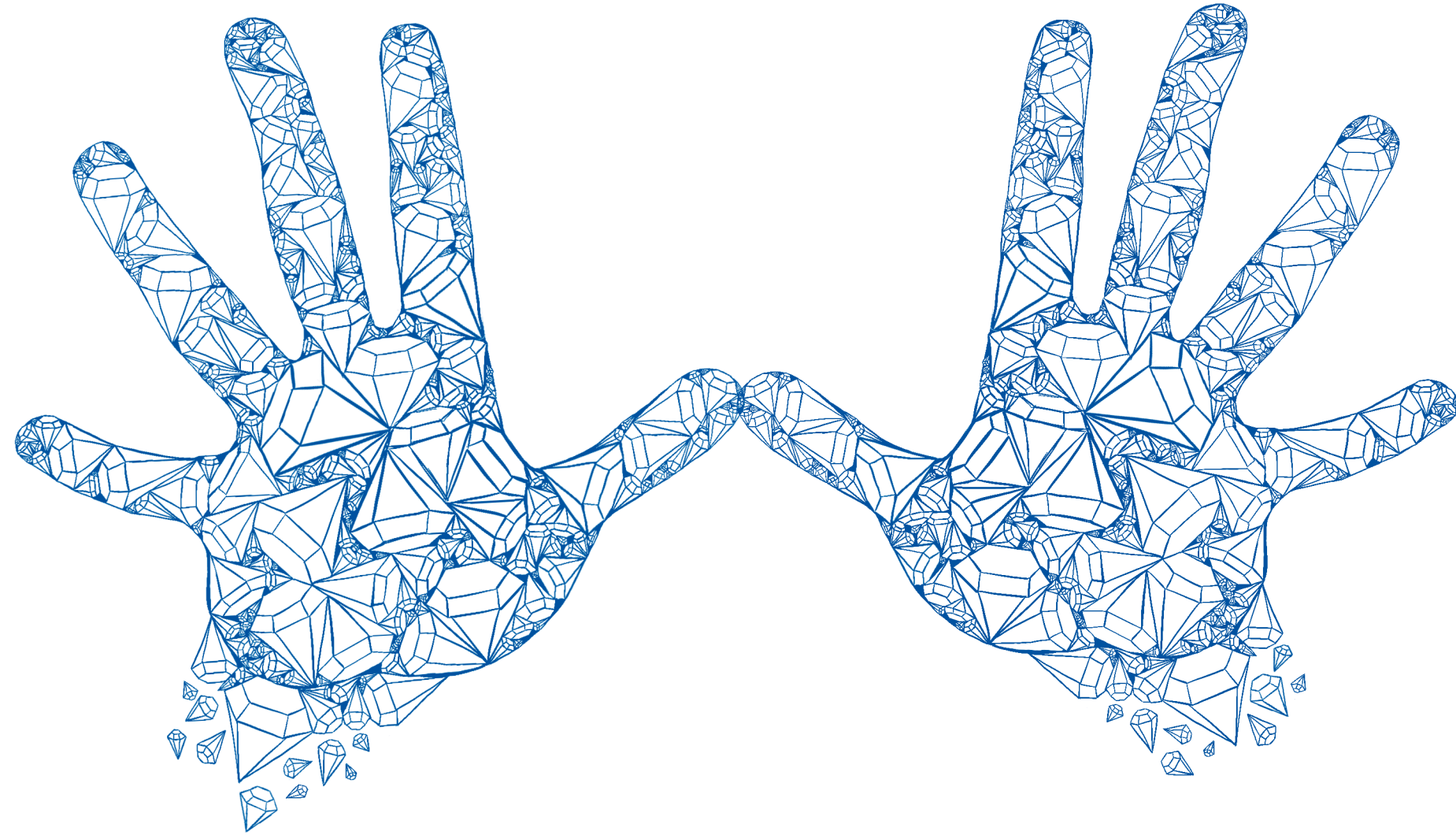
what is your favorite old song?



# Cute Questions

**Tools: Adobe Illustrator & InDesign**

Cute graphical questions that I have created as icebreakers. Done for a recitation that I teach as a teaching assistant.

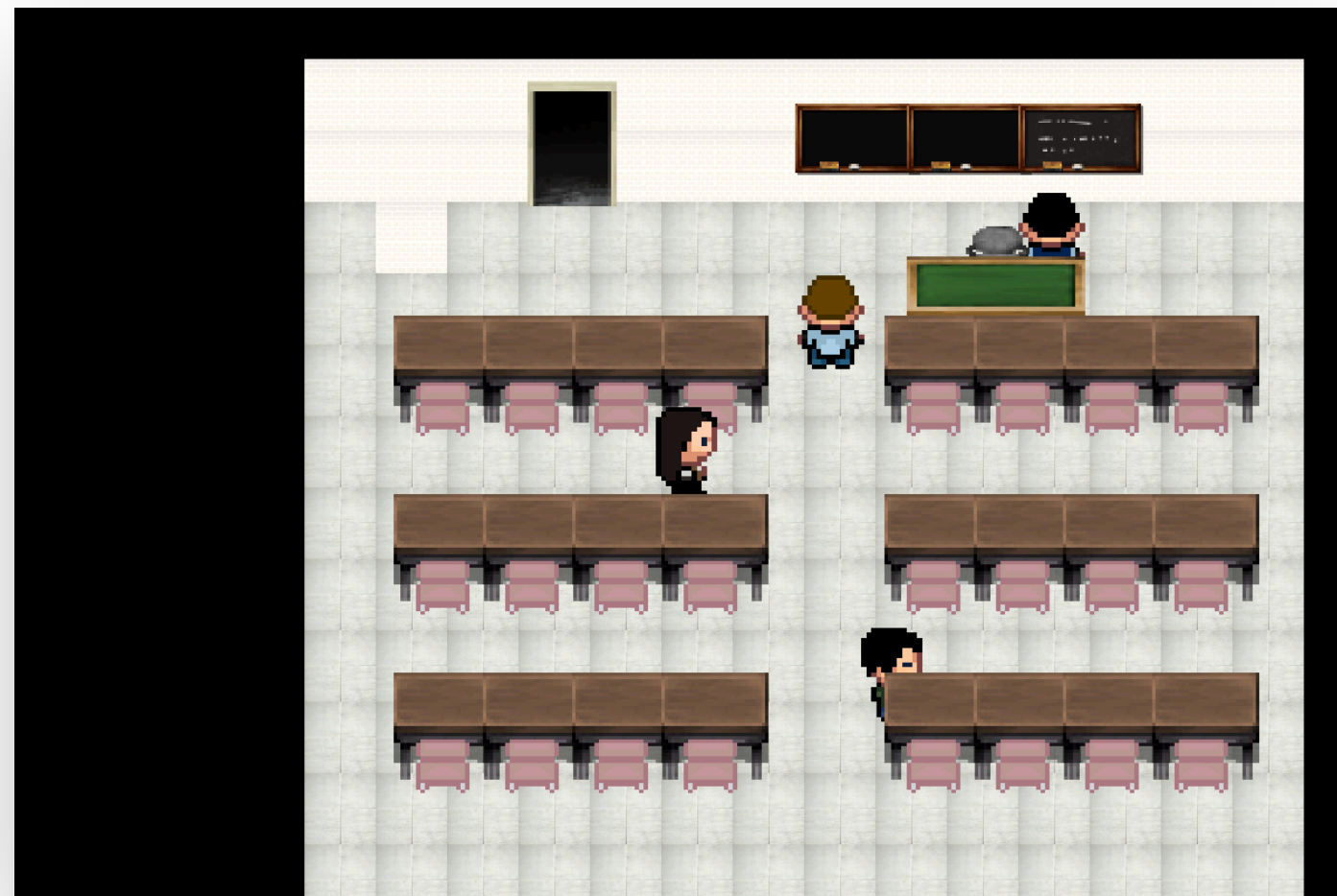
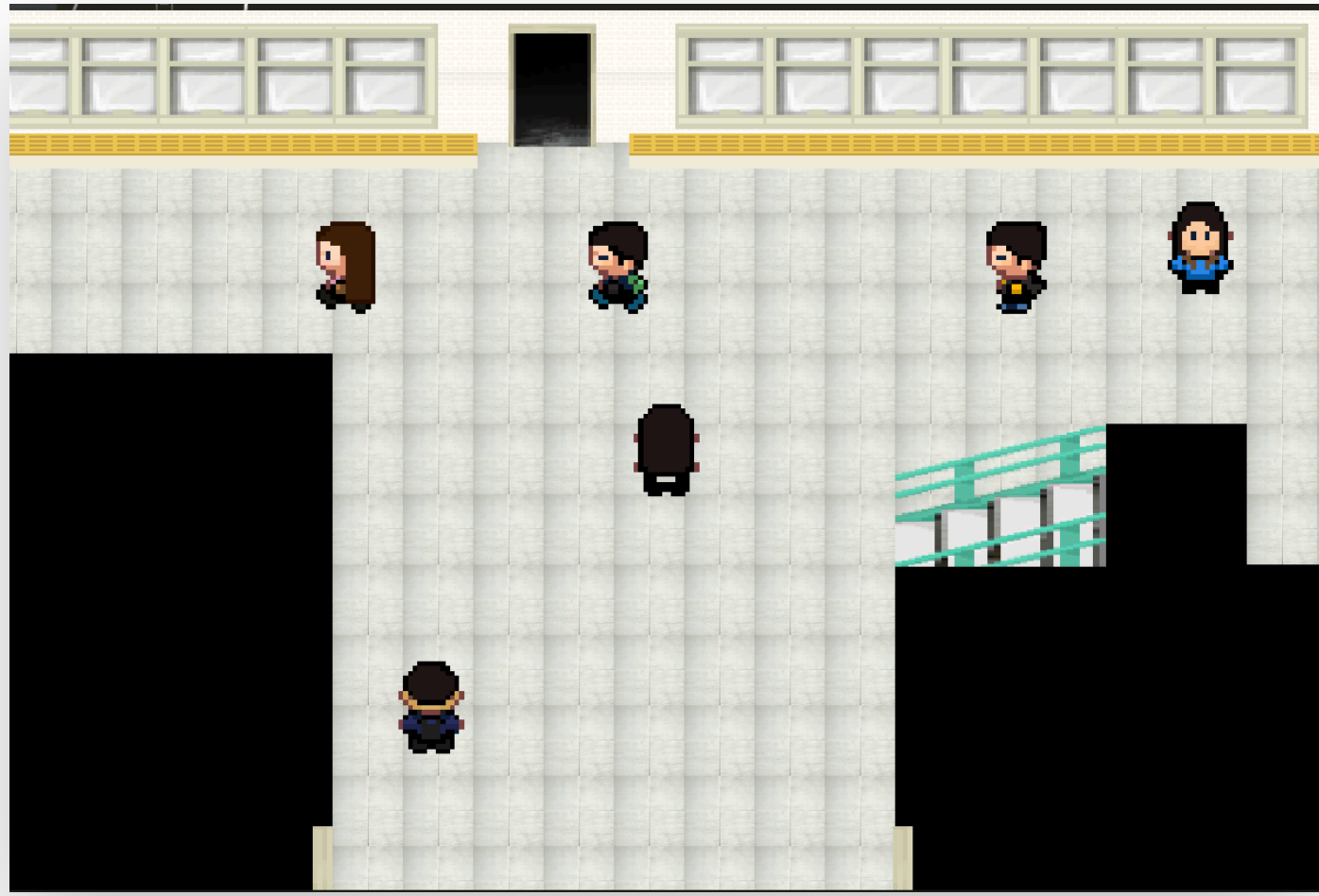


# Geometric Art

Tools: iPad Pro, Procreate, & Adobe Illustrator

Geometric artwork done as drawings and as vector art. The hands were illustrated as a Procreate drawing and the logo was created on Adobe Illustrator.

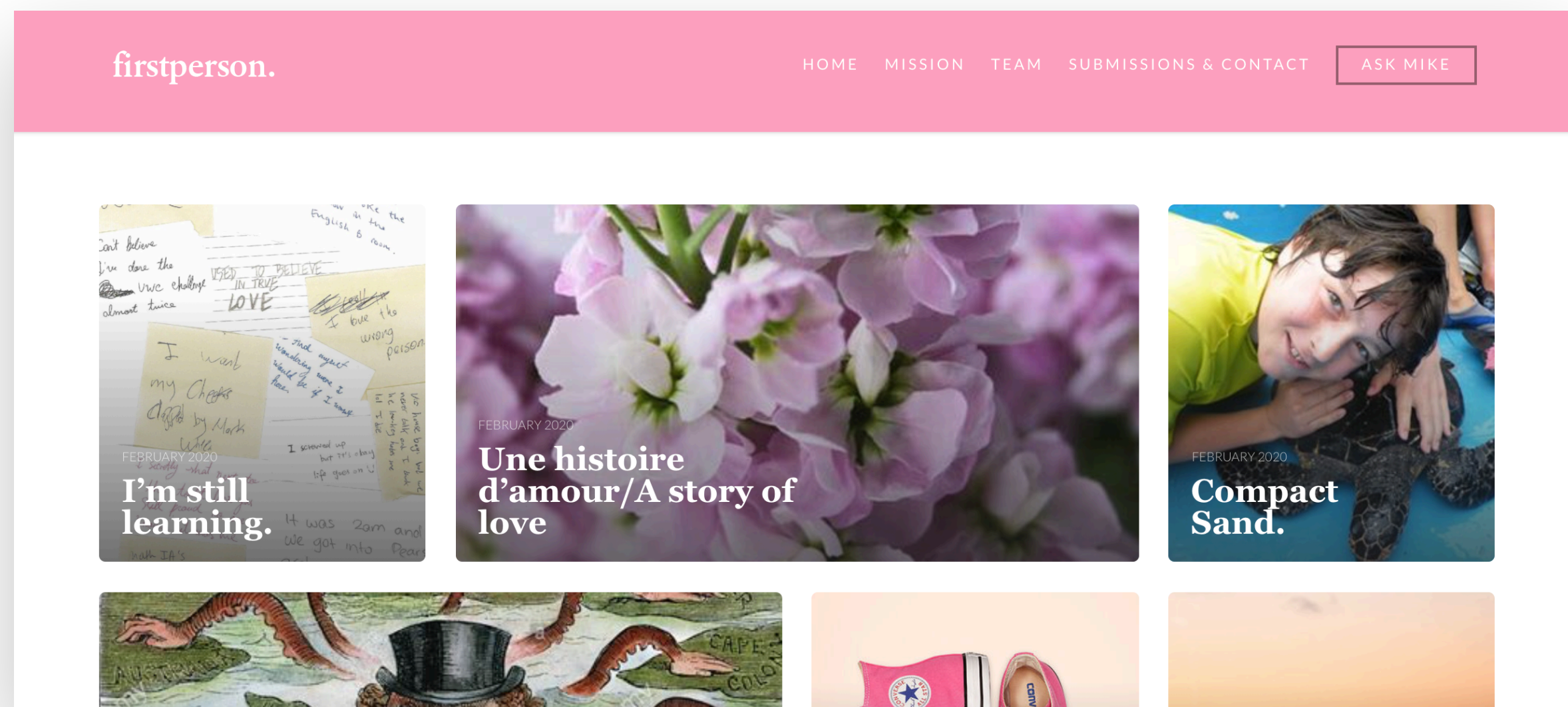




# Teacher's Pet Graphics

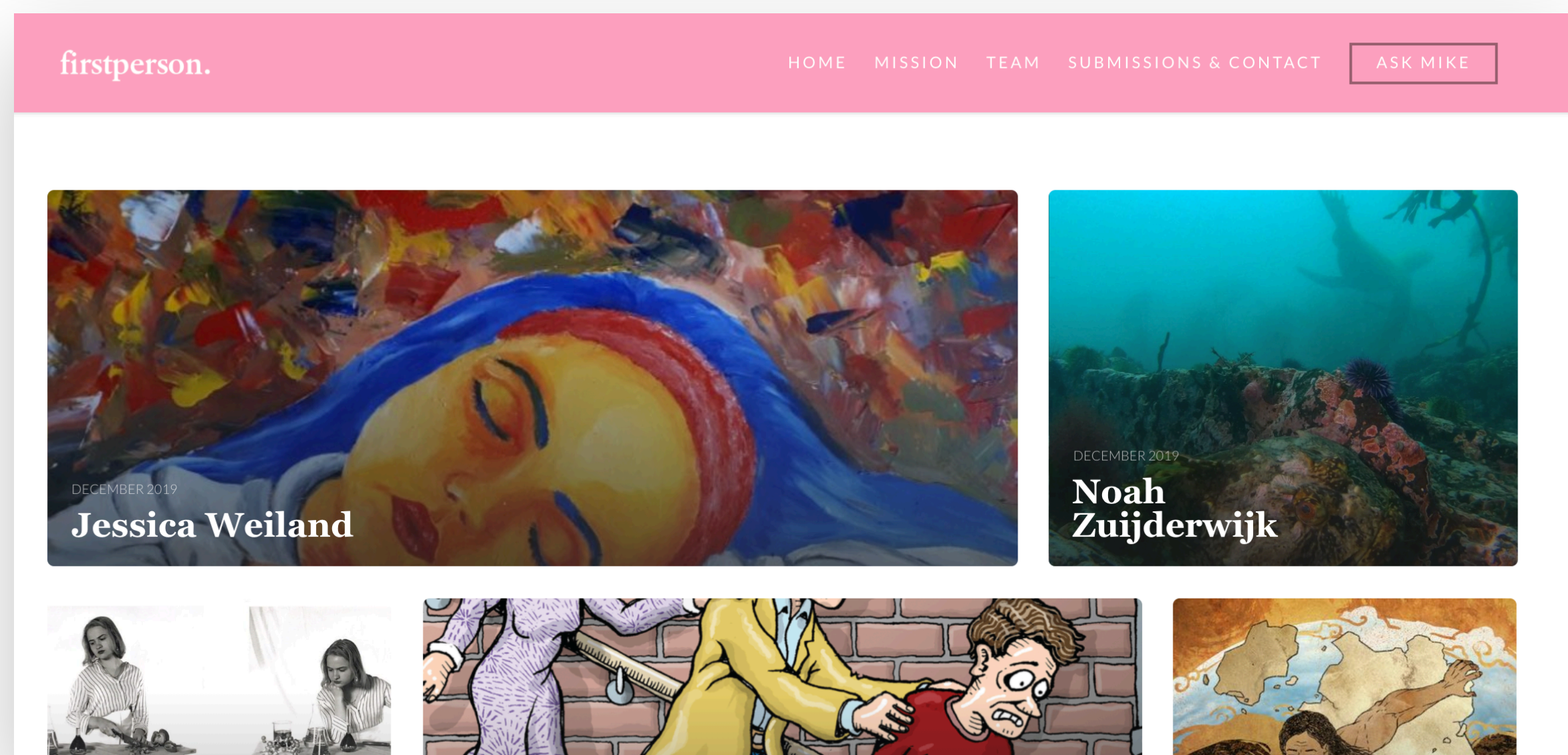
Tools: iPad Pro & Procreate

Pixel graphics created for a final project in which I worked in a group of four to recreate a Pokémon version of my school.



**firstperson-magazine.com**

**Tools: Wordpress & PHP**



Website created for the school's magazine with the purpose of highlighting the first-person stories of students from all around the world.