

ANGELINA TSUBOI

SOFTWARE DEVELOPER

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github github.com/angelina-tsuboi

SKILLSET

Technologies

Languages

- C++
- Python
- C#
- Java
- Rust
- HTML
- CSS / SCSS
- Typescript
- Javascript
- Swift

Web

- Node.js
- Express
- Angular / Ionic
- NGXS / RXJS
- GraphQL
- React / React Native
- Gatsby
- Next.js
- Django
- Flask
- Spring Boot

Libraries, Services, etc

- Vercel
- Expo
- Netlify
- Algolia
- Unity
- Git / Github
- Firebase
- MongoDB
- SQL / SQLite
- Amazon Web Services
- Postman
- Google Cloud Platform
- Stripe
- Jenkins

Machine Learning

- Tensorflow
- Keras
- Pandas
- Seaborn
- Matplotlib
- Numpy
- Sci-kit Learn

Other

- Swift / Xcode
- Linux
- Virtual Box
- SSH

Design & Art

- Figma
- Blender
- Da Vinci Resolve
- Ableton
- Garageband.
- BandLab
- Photoshop
- Adobe Illustrator
- Adobe InDesign
- Drone Photography

Other

- Amateur Radio
- Arduino
- Raspberry Pi
- Jira
- ClickUp
- Google AdSense

WORK EXPERIENCE

Chief Operating Officer and Software Developer

The Qu-Be (June 2021 - October 2021)

Created a prototype web application using Next.js, Firebase, Unity, and Three.js. Integrated payment options like Metamask. Managed and communicated with developers, designers, and executives. Managed the product in an Agile-based environment using ClickUp.

Software Developer

Trimega Software (May 2021 - September 2021)

Worked remotely as a software developer to build a CRM system using Angular. Used NGXS and RXJS to manage API calls and data flow within the application. Created the user interface using Nebular components. Attended daily meetings, helped co-workers debug/fix code, and kept track of tasks using Jira.

Web and Mobile Developer Internship

Pivotal Software (July 2019 - August 2019)

Created a mobile app dedicated to help physical education teachers using Ionic, Firebase, and Angular Material. Delegated tasks and determined features of web and mobile applications with team members and mentors. Programmed parts of web app for goal management app using Angular.

EDUCATION

Chadwick School

Class of 2024

- President of Programming Club
- Center of Innovation and Design Board Member
- Science Olympiad Member
- Math Club Member
- VEX Robotics Team Captain (Programming Co-Lead, Notebook Design Lead)

PROJECT PORTFOLIO

Megaphone

themegaphone.net

A class-based forum built to facilitate connections in the classroom. The tool allows students and teachers to make comments and post resources for their classes. Built with Next.js, React Native, Firebase, and Algolia

Fake News Detector

github.com/angelina-tsuboi/Fake_News_Detector

In order to assess the validity of websites for information, two different models were created to determine the probability of a website being fake: logistic regression combined with "Bag of Words" and a recurrent neural network model. Python, sci-kit learn, numpy, pandas, seaborn, and matplotlib were used.

Magenta

github.com/angelina-tsuboi/Magenta

A simple programming language made using Java with an organized and structured syntax. It includes its own tokenizer, lexer, and parser made using JavaCC.

CTV - "Customizable Tree View Visualizer"

github.com/angelina-tsuboi/ctv

A highly configurable tree directory tree view visualizer CLI tool made using Rust. It supports heavy customization of structure, styling, color, sorting of file displays and offers search, folder "peeking", and other flag options.

DealsForMeals

github.com/angelina-tsuboi/DealsForMeals_App

An app that aims to help low-income families with finding the best deals. The app eliminates the need to sort through dozens of websites of each individual food bank, and shortens the distance from accessible food to hungry stomachs. Created using Ionic, .Angular, GCP, Firebase, RXJS, and Ionic Geolocation.

AWARDS & DISTINCTIONS

WWDC 2022 Swift Student Challenge Winner

Won the Swift Student Challenge hosted by Apple for WWDC22. I won for a Swift Playgrounds project I made called CPR Buddy (made using XCode, SwiftUI, CoreML) alongside my previous STEM accomplishments. Submissions for the challenge are critiqued on the technical accomplishment and creativity of the Playgrounds app as well as the content of the written responses.

Congressional App Challenge - First Place

I created an app called "Megaphone" which won first place in the CA-33 district. It will be displayed in the US Capitol Building and featured on the House of Representatives' website, House.gov. Alongside attending the #HouseofCode Capitol Hill Reception in Washington D.C.

Serial Hackathon Winner

- Most Applicable/Useful (NHacks)
 - 2nd Place Winner (Simplihacks)
 - Wolfram|Alpha One (hths.hacks())
- devpost.com/angelina-tsuboi

CERTIFICATIONS

Recreational UAS Safety Test

UAV Coach (December 2021)

Amateur Radio Technician's License

GLAARG (August 2021)

Princeton Algorithms

Coursera (December 2021)

Java Web Development

Udacity (January 2020)

Postman Student Expert

Postman (July 2021)

Javascript Algorithms and Data Structures

freeCodeCamp (August 2019)

Responsive Web Design

freeCodeCamp (August 2019)