Tim Swanson

t.swanson10@icloud.com

236. W Reade Ave. Upland, IN

(903) 422-2158

Site: timtheswan.com

LinkedIn: linkedin.com/in/timtheswan

GitHub: github.com/timtheswan

SEEKING TO

Produce effective digital tools and media that directly benefit and enable others in a tangible way.

EDUCATION

Taylor University, IN

Junior - Graduating in 2022

- Major: Computer Science Digital Media
- GPA: 4.0, Honors Guild

EXPERIENCE

Software Engineer Intern - *Heirlock Ltd.*

May - July 2020

- Built 9 data-gathering stages of a signup flow in React, Typescript, SCSS and delivered to production.
- Developed and compared two demo iOS apps in React Native and Swift for viewing account data
- Increased code quality with 20% improved test coverage, regular code reviews, and CI build phases
- Discussed Clean Code, Twelve-Factor app, and Git Flow methodology in a reading group

System Administrator - *Taylor University, IN*

April 2019 - July 2020

- Wrote and maintained code and copy material for TU's CS departmental site (*cse.taylor.edu*).
- Designed the front end for an automatic homework generator grader using Vue, JS, Python.
- Photographed, recorded, and designed marketing materials using Adobe CC

University TA - *Taylor University, IN*

February 2019 - PRESENT

- Computational Problem-Solving (COS 120) - TA, tutor, help desk, proctor tests, grader
- Foundations of CS (COS 121) - Tutor, help desk
- Interactive Web Page Design/Multi-Tier Web App Dev (COS 143/243) - Tutor, help desk
- Data Structures and Algorithms (COS 265) - Tutor, help desk

Competitive Computer Science (Written & Coding) - *Texas University Interscholastic League*

2015-2018

- Competed against other high schools, winning as a team and placing individually in many invitational, 3 District, and 1 Regional tournament as a team, advancing to state.
- Solved algorithmic challenges including advanced pathfinding, traversal efficiency, sorting, and graph edge discovery

International - *Papua New Guinea (2010-2014), China (2019)*

Served in missions in Papua New Guinea. Studied Chinese culture and world religions in China.

PROJECTS

- *Envisage* - A personal project gone startup designed to help college students create and understand their academic track.
    - Uses Vue, Vuetify, Google Cloud.
    - Creating and delivering pitches, business plan, designs, and usability research
    - Helping CS department develop a startup incubator to make this and others possible
- *Digital Media: B.S* - Designed and currently working to push through TU's CS dept.
- *Life Change Counselling* - Redesigned lifechangecounsel.com

SKILLS

- Advanced - JavaScript (ES6, ES5), Python, TypeScript, React, Vue, HTML/CSS, SCSS/Sass
- Intermediate - Java, Google Maps/Places and AirBnB date picker SDKs, Jest, Jasmine, Bash, GIT
- Novice - C++, C, Assembly, Swift, React Native, Google Cloud, AWS S3, CircleCI, Google Domains, Postgres, Objection, KNEX, Hapi, Joi, Axios