

Tim Swanson

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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

- Designed and wrote a UX friendly signup flow from scratch using React.
- Researched and wrote demo native IOS apps using both React Native and Swift/XCode.
- Used unit tests, TypeScript, Git PRs, CI, and *Clean Code* to develop resilient code.

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

- Proficient in JavaScript, Python, Java, HTML/CSS, Vue, React, Typescript, Node
- Classwork Experience in C++, C, Bash
- Tools: JetBrains IDE Suite, Adobe CC, Google Cloud, GIT