

Tim Swanson

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SEEKING TO

Produce effective user-centered tools that directly benefit and enable others in a tangible way

EDUCATION

Taylor University, IN

Senior - Graduating May 2022

- Major: CS Digital Media Systems B.S.
- GPA: 4.0, Honors Guild

EXPERIENCE

Founder, CEO, Lead Developer

Envisage Planner LLC: 2020 - Present

- Founded Envisage Planner to create an intuitive tool to help with college planning
- Pitched, gained support (winning Taylor University's Shark Tank and \$3K), and raised additional funding
- Met with, learned from, and recruited, a team of students, faculty, and administrators
- Led entire process of development, including UI/UX research/design, project direction, and marketing, coding, and debugging a web app from scratch
- Worked extensively across the full stack, mostly coding the UI in Vue/JS/SCSS, but making most project-wide decisions informed by and affecting our Prisma API, Postgres Database, Google Cloud & Firebase Hosting, and Sentry & Google Analytics monitoring systems
- Continuing to build Taylor University user base since launching Beta in August

Software Engineer Intern

Heirlock LLC: Summer 2020

- Built 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
- Learned and practiced clean code methodology, through unit test coverage, regular code reviews, and CI build phases

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)
- UI for an automatic CS work generator and grader using Vue, JS, and Python
- Photographed, recorded, and designed marketing materials using Adobe CC

University TA & Tutor - Taylor University, IN

February 2019 - PRESENT

- Served as TA, Tutor, help desk manager, proctor, and grader for:
 - Both Intro CS Courses: COS 120/121
 - Both Web Dev Courses: COS 143/243
 - Data Structures & Algorithms Course: COS 265
- Developed and taught curriculum for a 1 credit General CS Course

University Personnel Assistant (Similar to RA) - Taylor University, IN: 2020-21

- Led a dorm floor by organizing over 50 events, heading a community, and handling logistics & policy (similar to an RA)
- Made significant use of problem-solving skills to make community safely possible in the midst of COVID-19

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

2015-2018

- Competed against high schools from across Texas
- Solved algorithmic challenges including advanced pathfinding, traversal efficiency, sorting, and graph edge discovery
- Won invitational, district, and regional level competitions, advancing to state

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

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

PROJECTS

- *Created a new Major, Digital Media: B.S* - Currently working to put in TU's CS dept
- *Life Change Counselling* - Redesigned lifechangecounsel.com

SKILLS

- Full stack and full process of app development, launch, and maintenance
- Small team management, community leadership
- Capable of marketing, photography, business planning, and learning how to do anything else
- Technical Proficiencies in: JavaScript (ES6, ES5), Vue, Python, TypeScript, React, HTML/CSS, SCSS/Sass
- Technical capabilities in: Java, C/C++, Assembly, Swift, React Native, AWS S3, Google Cloud DevOps, various APIs and SDKs, Jest, Jasmine, Bash, Postgres, Objection, KNEX, Hapi, Axios, OpenGL