Spencer Pham

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EDUCATION

University of California, Davis (B.S. Computer Science)　　　　　　　　　　　Sept 2016 – Dec 2020
- Major GPA: 3.671 | GPA: 3.5 | Dean's List Recipient (x3)
- Relevant courses: Machine Learning, Operating Systems, Web Programming, Software Engineering

PROJECTS

10x Developer Analysis @github.com/slampham/10x-Dev　　　　　　　　　　Sept – Dec 2020
- Co-published a research paper analyzing software patterns in elite developers versus average ones
- Sampled 14,000 developers, retrieved 100,000 lines of Python code from different repositories, and made 50,000 calls to Github's API
- Processed 1.6 TB's of users' statistics through BigQuery (commits, issue events, pull request history, etc.)
- Research demonstrated the top 0.1% developers had 8000% increase in issue activity and 5000% increase in pull request activity
- *BigQuery, GitHub API, GHTorrent, Python*

Restaurant Tinder @restaurant-tinder-.glitch.me　　　　　　　　　　　　May – June 2020
- Co-developed an app that selects a restaurant for a group of users via a Tinder-style mechanic
- Designed and implemented the user interface with a Tinder theme
- Handled game logic by organizing AJAX calls and storing game information into a database
- *Yelp API, sqlite3, Node.js, HTML/CSS, JavaScript*

Portfolio Website @spencerpham.dev　　　　　　　　　　　　　　　　Feb – March 2021
- Created an animated, responsive single page application to host all my projects and works
- *React, AWS Amplify, styled-components, HTML/CSS, JavaScript*

RELEVANT EXPERIENCE

Full Stack Development @github.com/slampham/Logic-Simulator　　　　　　Sept – Oct 2020
- Developed a cross-platform logic simulator for a client, tailored for his students to easily manipulate circuits on their phones
- Managed a team of five by assigning each team member a role (such as development or documentation)
- Supervised their progress by creating weekly deadlines and integrated new client requirements
- Reduced the program's length by 30% (600 lines) by refactoring and removing code
- *Codename One, Java, Agile*

Front End Development @manettimuseum.glitch.me　　　　　　　　　　　　Jan 2020
- Developed the front page for the Manetti Shrem Museum, displaying several works of art
- Consulted with client to follow designs and requirements
- *HTML/CSS, Javascript*

SKILLS & ACTIVITIES

Programming Languages: Python, Java, HTML, CSS, JavaScript, C++, MATLAB. **Familiar**: SQL, C
Technologies & Frameworks: React, Express.js, Node.js, Git
Hackathons: HackDavis 2020
Extracurriculars: NCAA D1-AA Rugby, Wrestling Coach