Will Xu

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Education

B.S, Computer Science - The University of Texas at Austin · Spring 2020
· GPA: 3.5
· Courses: data-structures, computer-architecture, calculus, statistics, linear-algebra, accounting

Experience

Technical Program Manager - CodePath: *full-stack Swift iOS development course.* · · · · · · · · · · · · Current
· Mentor students from zero iOS dev. experience to producing 8 iOS apps across 12 weeks in lectures and lab-based development.
· Cover all aspects of writing full-stack mobile apps, including connecting with APIs, incorporating iOS features such as geolocation, animations, and camera-access, storyboarding multi-page apps, and implementing clean and functional user interfaces and experiences.
· Teaching building and incorporating a custom, NoSQL backend API.
· Connected technologies include: The MovieDB, Yelp API, Twitter API and Heroku.
· Knowledge of: Swift, Xcode, UI Design, REST APIs, Alamofire, Parse, Heroku, Github

Software Engineering Intern - TriNet: *cloud-based HR software company.* · · · · · · · · · · · · · · · · · · Summer 2018
· Developed an application to expedite client expense reporting, utilizing the open source Tesseract OCR library, which connected to the production TriNet Cloud Expense Platform, exporting scraped data into clients' databases.
· Learned and incorporated PHP to create the image processing API used in the production application which extracts key important information and filters noise from raw Tesseract data.
· Created an automated batch testing suite which tests the API against hundreds of set data points to analyze and increase accuracy.
· Extensive use of: PHP, HTML/CSS, JavaScript

Web Developer - Darbie Angell: *modern and casual dinnerware brand.* · Spring 2018
· Successfully launched an upgraded website, implementing dynamic designs, which scale as the product line scales.
· Upgraded using: HTML/CSS, JavaScript, JQuery, Liquid markup

Projects

Push Up Sensor Mobile App · Published on Google Play · React Native
· Developed an iOS & Android app using React Native to expedite fitness-data recording by utilizing device hardware proximity sensors to automatically detect & track push ups in real time.

Computer Control Via Mid-Air Hand-Gesture Recognition · · · · · · · · · · · · · · · · · · Java · LEAP Motion
· Leveraged hand-tracking & gesture-recognition through LEAP Motion hardware to move windows, control the mouse cursor, and perform various computer interactions via making a fist, pinching, or pointing a finger in 3D space.

Fully Functioning Instagram Mobile Clone · · · · · · · · · · · · · · · · Swift iOS · Parse · Heroku · Full-Stack
· Developed a functioning clone of Instagram utilizing a custom live backend which features user creation/verification, content uploading/retrieving through camera-access, and feed style interactions such as favoriting.

Commission-Free Scripted Stock Trading · · · · · · · · · · · · · · · · JavaScript · Node.js · Robinhood API
· Developed a scriptable, commission-free trading API to automate stock trades using the Robinhood API.

Real-Time Shared Account Scheduling Mobile App · · · · · · · · · · · · · Swift iOS · Parse · Heroku · Full-Stack
· Produced an iOS app to help users manage their shared accounts through a centralized scheduling system and give real-time updates via push notifications.

Sink-or-Swim: Rotten Tomatoes for Political Candidates · · · · · · · · · · React.js · Parse · Heroku · Full-Stack
· Created an aggregate news website focused on political candidates, which would better inform voters about elections by consolidating multiple news sources and highlighting journalists' endorsements or op-eds, in a Rotten Tomatoes style review-rating format.

🔗 All source code and **8+** more projects at github.com/willthexu

Skills

Programming	Web Dev.	Mobile Dev.	Tools	Other	Interests
Java	JavaScript	Swift iOS	Github	Cantonese	Finance
Python	JQuery	React Native	Node.js	3D Printing	Traveling
C++	React.js		Xcode		Fitness
C	HTML/CSS & SASS				
	PHP				

Leadership

Founder & President - Texas FIRE: *Financial Intelligence and Responsibility* · · · · · · · · · · · · · · · · Current
· Founded a student organization aiming to spread fiscal knowledge across campus and helping students understand the stock market, investing intelligently, and increasing their financial literacy.