

Will Xu

will.xu.contact@gmail.com • 832-630-7998 • linkedin.com/in/willxu98 • github.com/willxu98 • willxu.site

Looking for a software engineering internship to apply the strong problem solving and analytical skills gained from my previous experience as a software engineering intern and from independently developing 20+ advanced projects. Having an open-minded, self-motivated personality, a proven dedication for computer science, and extensive technical & mathematical abilities make me the ideal intern on any team.

EDUCATION

Bachelor of Science (B.S), Computer Science - THE UNIVERSITY OF TEXAS AT AUSTIN

August 2017 - May 2020

3.5 GPA

Courses: data structures, discrete mathematics, computer architecture, differential & integral & multivariable calculus, statistics, linear algebra, engineering physics, accounting, macroeconomics

EXPERIENCE

Lead Technical Program Manager - CODEPATH: full-stack iOS development course taught at Facebook

November 2018 - Current

Established an iOS course aiming to foster mobile development interest across campus by mentoring students through developing 8+ iPhone apps in 12 weeks of lectures and lab-based development.

Trained students in mastering full-stack iOS development concepts including connecting with APIs, storyboarding multi-page apps, incorporating hardware device features (geolocation, camera-access, sound), designing touch-responsive animations, and creating clean and functional user interfaces/experiences as well as building and implementing a live, custom NoSQL backend API service.

Software Engineering Intern - TRINET: cloud-based HR software solutions provider in Austin, TX

June 2018 - August 2018

Saving hundreds of hours of manual data-entry for over 16,000 companies by building an application which automatically generates expense reports from images of receipts.

Delivered an algorithm using the open-source Tesseract Optical-Character-Recognition library and PHP to filter noisy OCR data and extract key information from text found in images.

Beat the deadline with accelerated development by building a batch testing suite for running the application against hundreds of images and data points to rapidly analyze accuracy and track the effects of algorithm modifications.


Web Developer - DARBIE ANGELL: e-commerce platform for modern dinnerware at darbieangell.com

March 2018 - April 2018

Revamped the homepage by troubleshooting and successfully deploying an upgraded website which implements responsive dynamic front-end designs allowing for the automatic scaling of pages through Javascript, HTML, CSS, and Liquid markup

Accomplished end-product goals by maintaining streamlined communications with the Social Media Director and Director of Operations while development progressed.

PROJECTS

10+ mobile apps, 5+ websites, 6+ programs and more projects at github.com/willxu98 

Python - Messaging Bot: Increased online engagement with recruiters by 500%+ through the automatic creation and sending of personalized messages on LinkedIn using Selenium and BeautifulSoup for Python.

Java - Controlling Computers Through Motion-Tracking: Realized the ability to move windows, control the mouse cursor, and perform various computer interactions by making a fist, pinching, or pointing a finger in 3D space through the implementation of hand-tracking & gesture-recognition technology from LEAP Motion hardware in a cross-platform Java program.

Javascript - Zero-Cost Automated Stock Trading API: Eliminated the overhead cost of trading by incorporating the Robinhood commission-free trading platform in the mechanization of stock trading through a scriptable JavaScript API.

React.js - Full Stack Snapchat Web Client: Achieved cross-platform access to the Snapchat function of sending and receiving single-view images for desktop and mobile web clients by using React.js and Google Firebase for cloud storage and real-time cloud multi-media messaging.

React.js - Read & Publish Reviews for Political Candidates: Comprehensively inform voters by centralizing a political-candidates reviews & ratings in website incorporating journalist reviews from the full spectrum of political news sources.

React Native - Push Up Sensor and Tracking App: Published a React Native mobile app to expedite fitness-data recording by utilizing device hardware proximity sensors for the automatic detection & tracking of push ups in real-time.

iOS - Twitter App Clone: Created an iPhone Twitter clone by employing the official Twitter API to validate users, retrieve Tweet feeds, post user-created Tweets, view user profiles and perform the native Twitter features of liking, retweeting, and replying.

iOS - Full Stack Photo Sharing App: Developed a custom, full-stack version of Instagram for iPhone by utilizing Parse, an open-source backend hosted on Heroku, and implementing features such as user creation/verification, content uploading/retrieval, camera feed/camera roll access, and the feed style interactions of liking and favoriting.

iOS - Full Stack Real-Time Reservations App: Centralized the scheduling and reserving of shared-account access through a Heroku-hosted, NoSQL backend scheduling system and an iPhone app featuring user-lookup, advanced account management, and a custom UI.

SKILLS

Programming: Python, Java, C++, C, JavaScript, PHP, React.js, React Native, JQuery, HTML, CSS & SASS, iOS Swift

Tools: Github, Node.js, Xcode, Google Firebase, Parse, Heroku, Yelp API, Twitter API, Alamofire, Selenium, BeautifulSoup

Interests: Finance, Stock Trading, 3D Printing, Traveling, Fitness, Cybersecurity, Machine Learning

LEADERSHIP

Founder & President - TEXAS FIRE: Financial Intelligence and Responsibility

August 2018 - Current

Pioneered a student organization aiming to increase financial literacy and share knowledge of foundational finance across campus.

Leading an initiative to promote intelligent investing, financial responsibility, and an understanding of the global stock market.