

May 2020 computer science student from Austin, TX applying to summer internships for software engineering in TX, NY and CA

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Details about other skills, student organizations, and volunteering available at willx.org/linkedin

Bachelor of Science (B.S), Computer Science - The University of Texas at Austin

August 2017 - May 2020

- · Coursework data structures, discrete mathematics, computer architecture, operating systems, competitive programming, differential, integral and multivariable calculus, statistics, linear algebra, engineering physics, accounting, macroeconomics
- · Founder and President Texas FIRE: student organization for promoting Financial Intelligence and Responsibility
 - Lead and establish a finance organization to help students raise their financial literacy and to promote financial responsibility.
- Student Officer and Lecturer Longhorn Mobile Development: on-campus student-led mobile development organization
 - Perform iOS mobile development lectures and provide mentorship for students across disciplines and varying technical abilities.

SKILLS

Other projects, honors, and skills available at willx.org/linkedin

Programming - Python, Java, C++, C, PHP, JavaScript, HTML, CSS & SASS, Swift iOS

Tools - React.js, React Native, Node.js, Xcode, Google Firebase, Amazon: AWS, Parse, Heroku, Selenium, BeautifulSoup, Git Interests - Finance, Stock Trading, 3D Printing/Design, Traveling, Fitness, Music, Research, Cybersecurity, Machine Learning Achievements - Achieved a perfect score on the AP Computer Science, AP Calculus BC, and AP Macroeconomics tests Achieved third place at the University Interscholastic League (UIL) computer programming competition Awarded the highest rating in the University Interscholastic League (UIL) for music for seven consecutive years

EXPERIENCE

Previous internship, teaching, and management experience details available at willx.org/linkedin

Software Engineering Intern - TriNet: publicly traded cloud-based HR solutions provider

June 2018 - August 2018

- Saving hundreds of hours of manual data-entry for over 16,000 companies by building an application to automatically generate expense reports from images of expense receipts.
- Developed a noise reduction algorithm in PHP to filter and extract relevant info from noisy Tesseract Optical-Character-Recognition data.
- Accelerated development by creating a batch testing suite to assess the algorithm's accuracy on hundreds of images and data points.
- Skills applied: PHP, HTML/CSS, JavaScript, open source Tesseract OCR, automated testing, image-to-text, Jira, Beanstalk, Gitlab

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

August 2018 - Current

- Foster campus-wide mobile development interest by leading and establishing an iOS course to mentor students through the development of over 8 iPhone apps across 12 weeks of lectures and lab-based development.
- Train students in industry relevant skills such as connecting with APIs, creating clean functional user experiences, incorporating device hardware features such as geolocation and camera access, and designing and implementing a custom NoSQL backend API service.
- · Skills applied: Swift iOS, Twitter API, Yelp API, teaching and mentorship, designing and creating backend APIs, UI Design, animations

Web Developer - Darbie Angell: e-commerce platform for modern dinnerware at darbieangell.com

- Upgraded the central homepage using responsive web design concepts, Javascript, HTML, CSS, and Liquid markup.
- Committed to excellent service by providing troubleshooting and support 6 months following initial project completion.

Warehouse Manager - Hytons: nationwide supplier of industrial restaurant equipment

June 2017 - August 2017

- Oversaw facility-wide operations and delegated daily tasks to equipment operators and warehouse staff.
- · Initiated and performed managerial accounting during the absence of the accountant

Private Programming & Math Tutor - Walker Station: prestigious PK-5 elementary school in FBISD

January 2017 - May 2017

- Prepared young students with foundational computer science and math concepts to excel in future advanced placement classes.
- Fostered interest in STEM subjects in students from an early age to encourage intellectual discovery and curiosity.

Hardware & Software Repair Technician - Nupace: device repair for the Brooklyn borough of New York

June 2014 - August 2014

- Performed technical repair operations such as CPU and GPU reflowing, mobile LCD replacements, virus removal, and data recovery.
- Reduced overall repair times by 25% through restructuring the repair process and increasing the number of on-going repair operations.

PROJECTS

Message Bot

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

iPhone Encrypted Storage App

Swift iOS, data encryption, RNCryptor, CocoaPods, Xcode, camera stream access

iPhone app developed to encrypt and store text, images and other files using AES encryption and Swift iOS.

Python, Selenium, BeautifulSoup, JavaScript, JQuery

Python bot which increases online audience engagement by over 500% through the automatic delivery of personalized messages.

Control Computers With Hand Gestures

Java, LEAP Motion, cross-platform, gesture-recognition

Java program which enables the control of computers through hand gestures that are tracked in real-time by sensors from LEAP motion.

Alexa, Teach Me a Language

Amazon Alexa Skill, AWS, voice recognition, language learning

Amazon Alexa Skill which turns Alexa devices into language learning tools by leveraging Alexa's multi-language voice recognition ability.

Zero-Cost Automated Stock Trading API

JavaScript, Robinhood API, automated stock-trading, Node.js

JavaScript API which eliminates overhead costs of automated stock trading by incoporating Robinhood's commission-free trading platform.

Full-Stack Desktop and Mobile Snapchat Client

React.js, Google Firebase, JavaScript, HTML/CSS, image handling

React.js and Google Firebase website designed to send and receive single-view images in real-time for desktop and mobile web clients.

Push Up Sensor and Tracking React Native App

Published on Google Play, React Native, Android, iPhone, proximity sensor

React Native mobile app which automatically detects, tracks, and counts push ups in real-time through device hardware proximity sensors.

iPhone Photo-Sharing Platform

Swift iOS, Parse, Heroku, Alamofire, user verification, camera feed access, content sharing

iPhone app which takes user uploaded images and posts them to a custom-built online user platform, similar to Instagram.