Ezra Bartlett

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Education

Texas A&M College Of Engineering, College Station, Texas   **May 2020**
B.S. in Computer Engineering

Relevant Skills

Swift, Objective C, SwiftUI, React Native, Javascript, Python, Data Structures and Algorithms, Artificial Intelligence, Operating System Development, Computer Architecture

Experience

The Home Depot
Software Engineer II   **May 2020 – Current**
• Designed and developed the authentication system on the Home Depot IOS consumer app, used to authenticate millions of users. This system led to a significant increase in the percentage of authenticated users within the app.
• Design and deliver customer facing features based on product requirements, using Swift, Objective-C, Javascript, and agile development.
• Maintain and contribute to a large professional code base, using modern technologies and practices. These include git, MVVM architecture, agile development, and unit test coverage.
• Help onboard new hires and relay information about the codebase and development process to entry level engineers.

The Home Depot
Software Engineering Intern   **May 2019 – August 2019**
• Used Test Driven Development to write production software for OrangeMethod's Launch app, which serves as the center for internal Home Depot technology information.
• Developed a robust metrics tracking system for Launch. This system gathers important information about the impact of OrangeMethod courses and generates reports that can be used to improve curriculum and increase impact.

Q2ebanking
Software Engineering Intern   **May 2018 - August 2018**
• Created custom software and specific functionality for financial institutions using python and a range of other technologies, including source control and network programming.

Aggie SpaceCRAFT   **September 2017 – May 2018**
Simulation Structure Developer
• Developed core structure of a physics based engineering test software using C++

TAMU College of Engineering   **August 2016 - August 2017**
Software and web application developer
• Full stack development of several business applications that managed and categorized large amounts of data.
• Used JavaScript, SQL, and Amazon Web Services to develop a full stack application that managed invoices for engineering faculty.

Projects

Aggie SpaceCRAFT
• Physics based software used to test space technology in virtual reality, with a human element
• Partnered with NASA, and led by astronaut Gregory Chamitoff

Electronic Accounting Routing System
• Application that manages employment offers between Texas A&M faculty and student researchers
• Currently used to mediate offers between thousands of faculty and student workers at A&M.

Awards

TAMU Pearson Scholar Award   **April 2015**
• Scholarship given to the 3 top scorers on a test taken by all Engineering freshman enrolled in Physics, Mechanics
• Placed 2nd out of thousands of students who took the test**.**

Extracurricular

The Mugdown   **May 2016 - May 2020**
Internal Editor
• Edited articles and helped manage a satirical news outlet, producing content consumed by thousands of A&M students
• Managed a group of student writers, helping to identify goals and implement deadlines.