JUSTIN SHILLINGFORD

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EDUCATION

Dec. 2020
Cornell University
Master of Engineering
Computer Science

May 2020
Cornell University
Bachelor of Science
Computer Science
Minor in Information Science - UX Concentration

May 2015
Miami-Dade College
Associate of Arts

RELEVANT COURSEWORK

- Object-Oriented Programming & Data Structures
- Analysis of Algorithms
- Software Engineering
- Design & Programming for the Web
- Data-Driven Web Applications
- Artificial Intelligence
- Human-Computer Interaction Design
- Designing Technology for Social Impact
- iOS App Development
- Introduction to Computing Using Python
- Discrete Structures

SKILLS

LANGUAGES: Python, JavaScript, TypeScript, HTML/CSS, Swift, PHP, Java, SQL

TECHNOLOGIES: React Native, jupyter Notebook, Django, Pandas, Numpy, Jira, GitHub, Node.js, Yarn, Visual Studio Code, Electrode Native, Xcode, DialogFlow

ORGANIZATIONS

BigRed//Hacks · *Marketing Director*

Underrepresented Minorities in Computing (URMC)

Association of Computer Science Undergraduates (ACSU)

PROFESSIONAL EXPERIENCE

CORNELL UNIVERSITY
Graduate Teaching Research Specialist - Computing and Global Development

Aug. 2020 - Present
Ithaca, NY

- Designing course content to ensure successful student learning outcomes.
- Grading and providing feedback on student assignments.
- Providing guidance to student groups working on an ICTD project for the semester.

TAGGID
Software Engineering Intern

Jun. 2020 - Present
Remote

- Developed full-stack software for an iOS social media app built from scratch.
- Utilized TypeScript React Native in the front-end and Django in the back-end.
- Followed sprint methodology to meet all development goals.
- *Technologies/Languages*: React Native, Django, TypeScript, Python, Yarn, Jira

GOOGLE
Hardware Engineering Intern

May 2019 - Aug. 2019
Sunnyvale, CA

- Built an accessible and meaningful jupyter data visualization metric dashboard.
- Raised efficiency of 10+ Verification teams via a 75% increase in visualized data.
- Future-proofed project by refactoring and documenting the existing codebase.
- *Technologies/Languages*: jupyter Notebook, Python, Pandas, Numpy, HTML/CSS

CORNELL UNIVERSITY
Teaching Assistant - Intro/Intermediate WebDev | Artificial Intelligence | Data Driven Web Applications

Aug. 2018 - May 2019, Aug. 2019 - Jun. 2020
Ithaca, NY

- Led weekly Lab section around new concepts and provided assistance to students.
- Hosted Office Hours to provide students more in-depth and personal assistance.
- Graded projects on code and project quality as well as adherence to best practices.

WALMARTLABS/WALMART INTERNATIONAL
Full-Stack Engineering Intern

Jun. 2018 - Aug. 2018
Sunnyvale, CA

- Improved the Google Assistant app for Walmart's UK based grocery store, ASDA.
- Enhanced customer insight with a 70% increase in data sent for analysis per call.
- Patched pre-existing bugs for a ~25% drop in app crashes, increasing usability.
- *Technologies/Languages*: Node.js, JavaScript, DialogFlow, Numpy, HTML/CSS

WALMARTLABS
Mobile Engineering Intern

Jun. 2017 - Aug. 2017
Sunnyvale, CA

- Engineered an iOS App exposing the benefits of the Electrode Native framework.
- Helped Electrode Native team understand how the framework could be used.
- Helped convince Walmart Labs executives to allow the project to go Open Source.
- *Technologies/Languages*: Electrode Native, React Native, JavaScript, Node.js

PROJECTS

CareerQueue

Jan. 2019 - May 2019

- iOS app that made the Career Fair process smoother for students and recruiters.
- Setup roadmap for app's UI design by designing Wireframes before development.
- One of three Engineers developing the front-end of the app in Swift.

Cornell Hyperloop - Electrical Team Lead

Jan. 2017 - May 2019

- Managed the Hardware and Software Subteams building the electrical subsystem.
- Provided technical assistance to both Subteams as a veteran member.
- Cooperated with other Leads to best inform decisions about the Team's direction.

Walmart Brick & Code 2.0 (Second Place) - SmartBasket

Jan. 2017

- An iOS app that allows a group of people to have their orders shipped in one box.
- Engineered the front-end in Swift and the back-end in Firebase.
- Awarded second place out of 15 total teams.