JUSTIN
SHILLINGFORD

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in JustinShillingford
○ JustinShillingford

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
Teaching Assistant (AI, WebDev, DataViz) - August 2018-May 2020

May 2015 — **Miami-Dade College - Kendall Campus**
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, HTML/CSS, PHP, Java, SQL, Swift

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

ORGANIZATIONS

BigRed//Hacks · *Marketing Director*

Underrepresented Minorities in Computing (URMC)

Association of Computer Science Undergraduates (ACSU)

EXPERIENCE

TAGGID
Software Engineering Intern
Jun. 2020 - Present
Remote
- Working on full-stack software to build an iOS app
- [CONFIDENTIAL]

GOOGLE
Hardware Engineering Intern
May 2019 - Aug. 2019
Sunnyvale, CA
- Created an ipynb metric dashboard using Colaboratory and Python's Pandas library to construct accessible, usable, and meaningful data visualizations
- Raised efficiency of 10+ chip Design Verification teams via a 75% increase in visualized data
- Boosted project maintainability by refactoring codebase from Python 2 to Python 3, adding Docstrings, and composing formal project documentation

CORNELL UNIVERSITY
Teaching Assistant - Intro/Intermediate WebDev | Artificial Intelligence | Data Driven Web Applications
Aug. 2018 - May 2019, Aug. 2019
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 upon the Google Assistant app for Walmart's UK based grocery store, ASDA, handling the front-end in Dialogflow and the back-end in Node.js
- Enhanced customer insight with a 70% increase in data sent for analysis per call
- Bolstered app's usability, causing a ~25% drop in app crashes, by patching pre-existing bugs

WALMARTLABS
Mobile Engineering Intern
Jun. 2017 - Aug. 2017
Sunnyvale, CA
- Engineered an iOS App showcasing the benefits of the Electrode Native framework
- Provided insights to the Electrode Native team during development that helped them understand how the framework would actually be used
- Helped convince Walmart Labs executives to allow the project to go Open Source

PROJECTS

CareerQueue
Jan. 2019 - May 2019
- iOS app that offered a set of features to make the Career Fair process smoother for both 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 to ensure that we are making significant progress on the electrical system we created for dynamic control.
- Provided technical assistance to both Subteams as a veteran member.
- Interacted with the other Leads to best inform decisions about the Team's direction.

Walmart Brick & Code 2.0 (Second Place) - SmartBasket
Jan. 2017
- Developed an iOS app that facilitates a concept created by our team that allows a group of people to order items together and have them shipped in one box.
- Engineered the front-end in Swift and the back-end in Firebase.
- Achieved second place ranking out of 15 total teams.