

# LOGAN O'CONNELL

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## EDUCATION

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**University of Maryland** - *Bachelor of Computer Science* (GPA: 3.56) College Park, MD - 2022  
Taking Introduction to Compilers (CMSC430) and Design of Computer Algorithms (CMSC451)

**Relevant Coursework:** Organization of Programming Languages (CMSC330), Algorithms (CMSC351), Computer & Network Security (CMSC414) and Introduction to Data Science (CMSC320), Cryptography (CMSC456), Programming Language Technologies (CMSC433)

## WORK EXPERIENCE

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**Apple** - *Software Engineering Intern (CI Technologies Team)* May 2021 - Aug. 2021

- Wrote a GraphQL API and Django server in Python, which functioned as the backend for an internal application for other developers, with a focus on speed and strong authentication
- Utilized Docker to manage different parts of the app and Kubernetes to fully deploy to the web, while learning Helm Charts and common continuous integration practices

**Siena Analytics** - *Software Engineering Intern* Oct. 2017 - Aug. 2018

- Developed and deployed real-world apps to FedEx's production servers to monitor for BIOS or application hangings
- Programmed dashboards for company use with Splunk to manage and interpret Big Data

**Freelance** - *Software Developer* Sep. 2014 - Aug. 2018

- Programmed and marketed iOS apps/tweaks that grossed over \$26K and 600K downloads
- Developed websites and apps for the nonprofit MSELA and private clients

## ACCOMPLISHMENTS

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- Member of QUEST Honors Program under the Robert H. Smith School of Business (Q33)
- College Park Scholar for the Environment, Technology, and Economy program
- Participant in UMD's Cybersecurity Club and Terrapin Hackers
- Pursuing minors in Business Analytics and Sustainability
- Placed 8th at the Metropolis Cybersecurity Competition

## PROJECTS

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**ConcertChat** *iOS App - (UIKit, MultipeerConnectivity, TwitterKit, Crashlytics)*  
iOS app that lets you find, message, and party with other people nearby at concerts

**3DAppLock** *iOS Tweak - (Logos, SpringBoardServices, LocalAuthentication)*  
iOS tweak that locks specified apps from opening with the fingerprint API for security/privacy

**Vue-TodoList** *Vue.js App - (HTML, CSS, JS, Firebase)*  
Vue.js app that allows accounts to use persistent note-taking synced to a Firebase DB

## SKILLS

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**Languages:** Objective-C, C, Swift, Java, Python, JavaScript, Bash, SQL, Ruby, Assembly

**Tools:** Xcode, MATLAB, Eclipse, Make, Git, Wireshark, Command Line, Docker, Kubernetes