

EDUCATION

University of Maryland, College Park MD
B.S in Computer Science, B.S in Mathematics

expected May 2020

GPA: 3.965

Coursework: Deep Learning, AI, Computer Networking, Advanced Data Structures, Compilers

WORK EXPERIENCE

Capital One**McLean, VA***Software Engineering Intern**June 2019 - August 2019*

- Piloted a new internally built 'Redux-like' architecture to build a feature to order Cashier's Checks,
- Applied my Redux knowledge from web development to this architecture built in Swift
- Leveraged RxSwift and reactive programming patterns to power the data flow of the feature
- Continually provided and presented feedback on this architecture to the creators, as well developers and senior level managers looking to utilize it in future features
- Created learning materials to lower the barrier of entry for other developers to learn this architecture
- Worked on a Jenkins pipeline to automate a regression testing utilizing Jira test executions, providing a one-click solution to creating test executions, running tests, and uploading results to Jira

The Washington Post**Washington, DC***Software Engineering Intern**June 2018 - August 2018*

- Worked on an iOS team responsible for developing 40+ news apps such as Chicago Tribune, LA Times, Salt Lake Tribune, and more
- Contributed new scalable features to the core architecture that drives these apps, including Push Notifications, Paywall, Analytics, and Apple Watch
- Played a major role in planning and implementing features for The Boston Globe app
- Worked in an Agile environment, participating and daily stand up and sprint planning meetings
- Brainstormed and developed a separate intern project in React, and presented it to the company

BioMedtrix**Whippany, NJ***Software Developer**August 2017 - Present*

- Developed, designed, and architected a full stack web application from scratch for veterinarians to plan surgeries, built with React, Flask, Google Firebase, and MongoDB, shipping in October 2019
- Worked with Amazon EC2 to host an HTTP API to power the front-end application
- Designed application with Redux to efficiently control state changes and data flow
- Integrated medical formats to allow the app to interface with other proprietary medical hardware
- Ran multiple beta tests with 50 users, and provided active support to those users

*App Development Intern**June 2017 - August 2017*

- Developed iOS app to aid veterinarians in pre-operation planning and templating
- Lead the user interface/user experience development for the app and built custom UI components
- Received and implemented weekly feedback from many veterinarians in the field

TECHNICAL SKILLS

- Languages: Swift, JavaScript/TypeScript, Java, C, Python, HTML, CSS, Ruby, OCaml, Lisp, MATLAB
- Software: Xcode, Jenkins, Git, Google Firebase, Jira, Trello, Unity, Amazon Web Services
- Frameworks/Technologies: CocoaPods, RxSwift, React with Redux/Saga, Express, Flask, MongoDB

HONORS AND ACHIEVEMENTS

- Eagle Scout Award *October 2015*
- University of Maryland President's Scholarship *April 2016*
- University of Maryland Dean's List *December 2016 - May 2019*