

## ▶ summary

iOS developer and Swift enthusiast studying Computer Science at The University of Maryland, Baltimore County. Graduating May 2018.

## ▶ projects

### Caption Remover iOS

Caption Remover (formerly Snapp) has been downloaded over 450,000 times. Upon becoming a paid app, Caption Remover entered the US Top 100 paid apps, and became the #2 paid US Social Networking app in the App Store. Caption Remover employs my own algorithms in conjunction with the OpenCV framework to automatically remove watermarks from Snapchat screenshots.

### Bitcoin Live iOS

Wrote an app that used high-frequency push notifications to display the current exchange rate of Bitcoin on the app icon. Bitcoin Live reached #9 in the Finance category of the App Store.

## ▶ skills

### MOBILE DEVELOPMENT

Swift  
Objective-C

### TECHNICAL – MISC

Bitcoin/Blockchain  
Python

### PUBLIC SPEAKING

Lincoln–Douglas Debate  
Public Forum Debate

## ▶ employment

### Apple, Inc.

Software Engineering Intern, tvOS

Cupertino, CA  
May 2016 to Aug 2016

### Treehouse Island, Inc.

Software Engineering Intern, Mobile

Jun 2013 to Aug 2014

Created iOS client app for in-house messaging system and assisted with development of new features for the iPad application.

## ▶ achievements

### Apple · CVE-2015-5892

Sep 2015

Apple officially recognized me for discovering and reporting a security issue with Siri in iOS 8, which could be exploited by an attacker to access personal user information, including 2FA tokens, while a device was locked. Apple then fixed the issue in iOS 9.

### Apple · WWDC 2015 Scholarship

May 2015

Every year, Apple hosts their week-long Worldwide Developers Conference, where they introduce new products to consumers as well as new technologies to developers. Tickets are hard to come by, but I was awarded a ticket for my software submission to their student scholarship program.

### 2330/2400 · SAT

>99th Percentile. Perfect scores in 2/3 categories.

### Montgomery County Debate League · Debate County Semifinalist

Mar 2014

### National Speech and Debate Association · Degree of Distinction

Mar 2014

### National Speech and Debate Association · Degree of Excellence

Dec 2012

### National Speech and Debate Association · Degree of Honor

Oct 2011

### National Speech and Debate Association · Degree of Merit

Dec 2010

## ▶ activities

### UMBC Hackers · Workshop Teacher

Aug 2014 to Current

I teach iOS workshops and attend hackathons with UMBC Hackers.

Hackathon Awards: 2nd Place HackUMBC F14, Top 10 MHacks F14, Top 10 PennApps F14.

### High School Debate Team · Member/Captain

Aug 2010 to Mar 2014

I joined the team as a Freshman in 2010. With the start of my Senior year in 2013, I became a captain. As a captain, I worked with my two co-captains to lead our large debate team to win 1st Place in the county.