

## Education

University of Virginia, Charlottesville VA — B.S. Computer Science, Minor: Business May 2016

- Programming Languages: Java, Python, JavaScript, C#, exposure to Swift, PHP, SQL
- Skills: Spark, Hadoop, Kudu/Impala, Cloudera Workbench, Tableau
- Relevant Coursework: CS 2150 Program and Data Representation, CS 4102 Algorithms, CS 3240 Advanced Software Development, CS4720 Web and Mobile Development, CS 4710 Artificial Intelligence

## Projects

**HELPLine, Undergraduate Capstone Project. 2016**

- Developed a web application in Django for the anonymous telephone hotline service at UVA. The application maintains a call logging system and includes metric reporting features. The app utilizes MySQL, and D3.js

**NightFly, Spring 2015**

- An iOS application written in Swift where SnapChat meets Yelp integrated with the Facebook API that allows users to share pictures of local night life at UVA

**Internal Student Council (Intranet). Fall 2014**

- Developed a web application in Django to streamline internal operations for Student Council; provides tracking for attendance, finances, marketing materials, and an internal hub for documents

## Relevant Experience

**The Bank of New York Mellon, New York, New York July 2016-present**

Software Engineer I Data Scientist

- Designed and led the successful integration of several API's for the Fund Accounting Application written in Java
- Revised the Expense Accounting API to adapt RESTFUL principles and successfully deployed the API from dev, test, uat and into production in the NEXEN API Store
- Analyzed data from NEXEN UI in Tableau to advise management on UI changes based on user behavior
- Building a large time series framework utilizing Kudu and the Hadoop infrastructure

**Tesla Motors, Palo Alto, California May 2015-August 2015**

Software Engineering Intern

- Built from scratch and deployed to production a completely new and responsive Internal Site that supports all internal operations at Tesla utilizing the Microsoft SharePoint platform with various JavaScript Frameworks, HTML, CSS, JQuery and C#
- Responsible for primary engineering and design decisions on a team of three

**Undergraduate Teaching Assistant, University of Virginia Spring 2015 – Spring 2016**

*CS 4501: Programming Languages for Web Applications & CS 4720 Mobile Applications*

- Grade and hold office hours for a course that utilizes PHP, MySQL, JQuery, JS, iOS and Android Development

**Central Intelligence Agency, Langley, Virginia (May 2014 – Aug 2014, May 2013-Aug 2013, Dec 2013-Jan 2014)**

*Top Secret/SCI Clearances with current Background Investigation and full polygraph*

Software Engineering Intern

- Led, designed, and developed a Windows Service utilizing the Windows Communication Foundation (WCF) to limit access to files and folders based upon read, write and view access
- Developed accompanying File Explorer Interface for the Windows 8.1 Operating system in C# utilizing XAML, WPF (Windows Presentation Foundation), the .NET Framework and Windows Forms with XML based configurations utilizing the WCF service.
- Utilized Android SDK and Java to develop small mobile communication applications
- Developed parsers to segment data files for a prototype system in C++

## Leadership and Activities

**WiCS (Women in Computing Sciences) – Founder, President**

**Microsoft Student Partner Fall 2014-August 2015**

**Student Council - Chief Financial Officer 2014-2015, Chief Technology Officer 2015-present**