

Ryan McCaffrey

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EDUCATION

Princeton University

Sept 2015 – May 2019

B.S.E., Computer Science

Current GPA: 3.7

Relevant Coursework: Algorithms/Data Structures (COS 226), Programming Systems (COS 217)

Extracurricular Activities: Princeton Math Competition (PUMaC) technology team

Commack High School

Sept 2011 – Jun 2015

International Baccalaureate Diploma

Salutatorian, Graduating GPA: 4.0

EXPERIENCE

Brightwire Inc.

Jun 2016 – Aug 2016

Advanced Projects Intern (Software Engineering)

New York, NY

- Developed Chrome extension and Python web scraping application to periodically push financial data into user-customized Google sheets and Excel spreadsheets. Javascript, Google Sheets API, Python, BeautifulSoup, Scrapy framework.
- Developed full-stack application that warehouses time-sensitive financial data into company's MySQL database. Data is accessed via self-built website that handles conversion of data into analyst friendly spreadsheets. Python, Zeep SOAP client, MySQL, Node.js, Express framework, Javascript, HTML/CSS.

New York University

Jun 2013 – Sept 2013

Intern in Computer Vision Research

New York, NY

- Contributed to development of 3-dimensional segmentation algorithm for indoor scenes, which relies on support relationships between components of image. Kinect for Windows SDK, MATLAB, C++.

PROJECTS

dwn2

Nov 2015

- Created iOS application that allows users to create events and invite friends for spontaneous meet-ups. Implements push notification system that mutes after a declined invite or lack of timely response.
- Team project, full-stack development. Used Microsoft Azure database and Facebook API for secure login. Improved abilities in Swift, Xcode, HTML/CSS.

Math Honor Society Point Automation Program

Sept 2013 – Mar 2014

- Created Java program to efficiently document and track points earned by members in school's Math Honor Society. Implemented automated emailing to members and exporting data to spreadsheet. Gained proficiency in NetBeans IDE, Java Swing.

SKILLS

- **Programming Languages:** Java 7, Python 2, Swift, C/basic C++, x86-64, Javascript, HTML/CSS
- **Libraries/Frameworks:** Django,
- **Databases:** MySQL
- **Tools:** Git, Adobe Photoshop