

# Ryan McCaffrey

🏠 8 Plum Tree Lane, Commack, NY 11725  
☎ (631) 707-5422  
✉ ryan.mccaffrey@princeton.edu  
🌐 <http://www.linkedin.com/in/ryanmccaffrey42>

## EDUCATION

---

**Princeton University**  
*B.S.E., Computer Science*

**Sept 2015 – May 2019**

**Commack High School**  
*International Baccalaureate Diploma*  
*Salutatorian, Graduating GPA: 4.0*

**Sept 2011 – Jun 2015**

## EXPERIENCE

---

**New York University**  
*Intern in Computer Vision Research*

**Jun 2013 – Sept 2013**  
New York, NY

- Recorded and processed images of indoor scenes (living rooms, bedrooms, etc.) using the Microsoft Kinect. Proficient in Kinect for Windows SDK.
- Contributed to development of 3-dimensional segmentation algorithm that relies on support relationships between components of image under Professor Robert Fergus. Familiarity with MATLAB, C++.

## PROJECTS

---

**dwn2**

**Nov 2015**

- Created an iOS application that allows users to create events and invite friends for spontaneous meet-ups. Implements a push notification system that only remains active when friends confirm their invite to the event; a declined invite or lack of response after a short period (user defined) mute notifications. Included product website (currently unsearchable).
- Developed app entirely; gained experience as a full-stack programmer. Improved abilities in using Bootstrap framework, HTML, CSS, Swift, and Xcode. Utilized Microsoft Azure database and Facebook API for secure login.

**Math Honor Society Point Automation Program**

**Sept 2013 – Mar 2013**

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

## RELEVANT COURSEWORK

---

- General Computer Science (COS 126)
- Introduction to Macroeconomics (ECO 101)
- Multivariable Calculus (MAT 201)

## SKILLS

---

- **Programming Languages:** Java, C++, Javascript, Swift, basic HTML and CSS
- **Tools:** Adobe Photoshop
- **Basic Spanish**