Ryan McCaffrey

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EDUCATION

Princeton University   Sept 2015 – May 2019
B.S.E., Computer Science

Commack High School   Sept 2011 – Jun 2015
International Baccalaureate Diploma
Salutatorian, Graduating GPA: 4.0

EXPERIENCE

New York University   Jun 2013 – Sept 2013
Intern in Computer Vision Research   *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).
- Team project, 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 Programming Systems (COS 217)
- Algorithms and Data Structures (COS 226)
- Introduction to Macroeconomics (ECO 101)
- Multivariable Calculus (MAT 201)
- Linear Algebra (MAT 202)

SKILLS

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