Ryan McCormick

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Education

Binghamton University, State University of New York, Watson School of Engineering   **Expected May 2019**
Bachelor of Science, Computer Science
　Major GPA: 4.00/4.00
Bachelor of Arts, Mathematics
　Major GPA: 4.00/4.00
　Overall GPA: 3.98/4.00 | Dean's List Fall 2015 - Present

Technical Skills

Languages: Python, C++, Java, LaTeX, Basic Assembly
Software and OS: Ubuntu, Windows, Microsoft Visual Studio, IDLE, Eclipse, TexStudio, Android Studio

Project Experience

Android App   Nanuet, NY, **December 2016 - Present**
- Currently exploring android app development in free time
- Creating a music-related app
- Functionality of app will be similar to a "looper pedal"

Microsoft HoloLens App   Binghamton, NY, **November 2016**
- Worked in team of 3 to produce demonstrable results in a 24-hour period at HackAE
- Implemented Unity software for creating the app environment
- Reimagined Where's Waldo into an augmented reality hide-and-seek game

Arduino Project, Watson School of Engineering   Binghamton, NY, **September-November 2015**
Tetris Game – Team Leader
- Managed a team of four to construct a handheld Tetris game
- Researched necessary materials for construction on an Arduino Uno and adjusted the code to increase difficulty of the game
- Presented completed project including research and design requirements at the Arduino Exposition open to staff, students, and professionals

Research Experience

Automatic Sign Language Recognition, Binghamton University, NY   **August 2015- Present**
- Wrote a proposal to track hands in 3D-space
- Presented research poster at Binghamton Research Week conference
- Current results are better than state of the art
- Working towards publication at top national conference

Leadership Experience

Binghamton University, Physics Teaching Assistant, Binghamton, NY   **August 2016-Present**
- Manage a lab for introductory physics classes
- Conduct experiments and real world applications of topics taught in lecture
- Quiz students on understanding of material rather than just memorization

Binghamton University ACM Student Chapter, Member, Binghamton, NY   **August 2015-Present**
- Assisted others in weekly workshops aimed at teaching useful new concepts
- Competed in monthly programming competitions

HackBU, Member, Binghamton, NY   **August 2015-Present**
- Attend weekly computer science workshops
- Assist students with code problems and answer computer science related questions
- Participate in hackathons with other members at various universities in the area

JET MIP Program, Participant, Japan   **July 2014-August 2014**
- Selected as 1 of 32 participants in United States based on personal essays, interviews conducted in Japanese via Skype, and placing 55th out of 755 in the nation on the National Japanese Exam level 3.
- Awarded a grant from Japan Foundation, LA to participate in a disaster relief/cultural immersion program to raise awareness
- Conducted outreach amongst communities impacted by natural disaster to uncover ongoing challenges

Employment

Manager/Server, Posa Posa Restaurant and Pizzeria, Nanuet NY   **August 2013-Present**
- Managed employees to effectively and efficiently handle rushes of customers
- Filled in for any position lacking on a daily basis