

Brandon Drumheller

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Education:

Rensselaer Polytechnic Institute (RPI), Troy NY

Expected Graduation: December 2016

Bachelor of Science in Computer Science & Mathematics (Dual)

Cumulative GPA: 4.00 / 4.00

Related Coursework:

Data Structures • Database Systems • Operating Systems • Intro to Algorithms • Network Programming
Cryptography and Network Security I • Software Design and Documentation • Programming Languages

Professional Experience:

Rensselaer Center for Open Source, Troy, NY

Summer 2016

Software Developer

Played a key role in designing and refactoring the Computer Science Department's homework server, Submittity.

Harvard Management Company, Boston, MA

Summer 2015

Application Development Intern

Designed and implemented features for a web-based C# application used to manage market data.

Rensselaer Polytechnic Institute, Troy, NY

Fall 2014–2016

Undergraduate Programming Mentor — CSCI 1100; CSCI 1200; CSCI 2300; CSCI 2600

Assisted students with design, analysis, and implementation of algorithms in Python, Java, and C++.

Metamorphic Petrology Database (MetPetDB), Troy, NY

2015

Implemented a bulk-upload tool in Django, allowing multiple chemical-analyses and rock-sample uploads.

Leadership Experience:

Vice President: Japanese Cultural Association

2015–2016

Organized workshops and presentations to promote the awareness of Japanese culture on campus.

Vice President/Webmaster: Hong Kong Students Association

2014–2016

Designed and maintained a club website for HKSA, an organization dedicated to promoting Hong Kong culture at RPI: hkسا.union.rpi.edu.

Night Show Chair: Asian Cultural Union

2016

RPI's cultural clubs celebrate their ethnic backgrounds through musical, artistic, and traditional performances.

Member: Circle K (Community Service Organization)

2013–2014

Engaged in activities for the betterment of the Troy, NY community. Participated activities include: preparing and serving food to homeless people at Joseph's House & Shelter in Troy, NY; clearing park walking trails; working with geriatric patients at the Samaritan Hospital Senior Center.

Awards:

Best Application of Synaptics Proximity Sensor (Hack MIT 2014): Integrated Pebble's smart watch with Synaptics proximity sensor in a mobile alarm clock application called "Hover Alarm".

Rensselaer Archimedean: Recognizes high-achieving students who have received a cumulative 4.0 GPA.

Technical Skills

Proficient with: C++, Python, C, Java, PHP, Windows, Ubuntu, Microsoft Office, Visual Studio

Familiar with: SQL, L^AT_EX, HTML5, CSS3, JavaScript, C#, Wolfram Mathematica