

Brandon Drumheller

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Education:

Rensselaer Polytechnic Institute, Troy NY

December 2016

Bachelor of Science in Computer Science & Mathematics (Dual)

GPA: 4.00/4.00

Professional Experience:

Capital One Auto Finance, Plano, TX

2017-2020

Associate Software Engineer (2017-2018) *Software Engineer* (2018-2020) *Senior Software Engineer* (2020)

Designed and implemented an auto lead aggregation solution. Developed a solution to generate optimized auto deal structure solutions which satisfy lender, auto dealer, and consumer constraints. Mentored colleagues who joined Capital One under the technology development program (TDP).

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, Submittify.

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.

Metamorphic Petrology Database (MetPetDB), Troy, NY

2015

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

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++.

Leadership Experience:

Night Show Chair: Asian Cultural Union

2016

Organized an event where clubs celebrate their ethnic backgrounds through artistic and traditional performances.

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: hkasa.union.rpi.edu.

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:

1st in C1 Hackathon: Created an automated remediation process for composition analysis security findings.

Most Creative Savings Solution: Developed POC for a cloud agnostic solution for block-based storage savings.

Hack MIT: Best application of Synaptics proximity sensor – a hover alarm clock application.

Skills

Proficient with: Python, Java, Spring Boot, IntelliJ IDEA, REST, PyCharm, i3, tmux

Familiar with: AWS - ECS, EC2, S3, IAM, Docker, SQL, PostgreSQL, L^AT_EX, HTML, JavaScript, CSS, C++, C, Avro, Kafka, Bash, YAML, Japanese