

Education

Bachelor of Arts in Computer Science and Asian Studies, May 2018

Hamilton College, Clinton, NY

Summa cum laude; GPA: 3.96

Computer Science Honors Thesis (January – May 2018)

- Developed an application to simulate finite automata for educational use
- Users can build and run automata with intuitive GUI
- Written in Java; available as JAR at github.com/m-montgomery/HALTING

Skills

- Proficient in Python, C++, Java, Bash
- Experience with SQL, Processing, Prolog, SML, x86 assembly, Scheme, HTML/CSS, XML
- Proficient in Windows, macOS, Linux, Git, Microsoft Office
- Detail-oriented, self-motivated, quick learner, articulate communicator
- Japanese language and cultural competency from 16+ years of education

Work Experience

IBM: Blockchain Software Performance Analysis

Poughkeepsie, NY

Intern (May – August 2017)

- Developed automation to improve blockchain performance testing
- Optimized data analysis with script reducing SAR data by 99.95%, enabling crucial reporting
- Organized measurement process by documenting scripts and team procedures

Hamilton College: Computer Science Department

Clinton, NY

Teaching Assistant (January 2015 – May 2018)

- Mentored students during and after class; explained computing concepts
- Graded programming projects and exams

Researcher (May – July 2016)

- Developed compiler for statically-typed dialect of Python intended for introductory education

Hamilton College: Library and Information Technology Services

Clinton, NY

Help Desk Assistant (April 2016 – May 2018)

- Troubleshoot and identified clients' technology problems in person and via phone and email
- Researched, applied, and documented solutions with timely customer service

Achievements

- *Hamilton College, 2018*
 - Elected to Phi Beta Kappa, academic honor society
 - Elected to Phi Sigma Iota, foreign languages honor society
 - Winner of The Sam Welsch Memorial Prize Scholarship in Computer Science
 - Winner of The Edwin B. Lee, Jr. Prize in Asian History/Asian Studies
- *Other*
 - Completed 13-year Japanese immersion program (Portland Public Schools 2014)
 - Editor of national award-winning *Grant Magazine* (Grant High School 2013 - 14)