

MAGGIE LOU

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EDUCATION

Northwestern University | McCormick School of Engineering
Bachelor of Science Degree | Computer Science

Evanston, IL

Expected Graduation: June 2019

- Cumulative GPA: 3.88/4.00
- Murphy Scholar (\$4000 grant to pursue entrepreneurship, weekly seminars by Northwestern research faculty)
- Honors: Dean's List Academic Honors 6 quarters, National Merit Scholar 2015

Relevant Coursework: Algorithms, Data Structures, Introduction to Computer Systems, Human-Computer Interaction, Machine Learning

Technical Skills: Java, C++, R, Python, SQLite, MATLAB, HTML/CSS, JavaScript, Node.js (beginner)

EXPERIENCE

Braintree

San Francisco, CA

Software Development Intern, Cloud Infrastructure

June 2017 - Present

- Committing production-level code in Go and Python to add Kubernetes to Braintree's tech stack
- Pairing with full time engineers to develop internal developer tools to onboard application engineers to the new Cloud platform; work includes metrics collection, alerting, configuration, deployments, testing, and documentation

Over

Cape Town, South Africa

Software Development Intern

July 2016 – August 2016

- Created a KPI dashboard using Ruby and R that scrapes data analytics platforms and updates daily to promote transparency within the company, establish a baseline for company goals, and evaluate marketing success
- Developed the back-end of the beta version of an iOS text-generation feature; included writing scripts in R, managing a SQLite database, creating an API, and working with image recognition and natural language processing

QuesTek Innovations LLC

Evanston, IL

Technology Analyst

March 2015 – June 2015

- Wrote programs in C++ and MatLab that interface with materials science databases and thermodynamic calculation software, eliminating 3-4 hours per project of manually inputting thousands of data points
- Modified a data mining decision tree in R to more accurately map to the data; returned a R^2 value of 0.958

LEADERSHIP

Women in Computing

Evanston, IL

Corporate Relations Chair

March 2017 - Present

- Designed a sponsorship package and raised over \$12,000 in funding from 6 partner companies, quadrupling our organization's budget to empower members through community building, professional development, and tech talks

RezEssentials

Evanston, IL

Marketing Director

October 2015 – August 2016

- Designed advertisements and negotiated marketing partnerships with local publications to increase revenue by 30%
- Redesigned the website to use SEO techniques, like keyword research, indexable content, and crawlable link structures; site is now ranked first on Google for the top five search terms and site traffic increased by 32% per day

ADDITIONAL

Languages: English (Native), Mandarin (Intermediary), French (Basic Conversation)

Memberships: Delta Gamma Sorority, Society of Women Engineers, Alpha Kappa Psi Business Fraternity

Positions: Freelance Web Developer, Computer Science Teacher's Assistant

Interests: Backend Development, Travel, Skiing, Exotic Foods, Photography, Adrenaline