

Colin S. Stern

SOFTWARE ENGINEER

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Experience

Bloomberg Software Engineer

New York, New York

BLOOMBERG EVALUATED PRICING MUNICIPALS TEAM

Sep 2019 - Present

- Streamlined client workflows on heavily-used screens.
- Enhanced system transparency by developing a dashboard to monitor system traffic.
- Sped up an anomaly detection task from 35 minutes of runtime to less than 19 minutes.
- Developed in C++, Python and JavaScript.

Bloomberg Software Engineering Intern

New York, New York

TRADE AUTOMATION & EXECUTION TEAM

Jun 2018 - Aug 2018

- Improved performance monitoring department-wide by wrapping a C++ telemetry system and exposing it in Node.js.
- Created and deployed the telemetry module for the internal infrastructure framework.
- Increased system transparency by instrumenting the trading platform ticket with metrics collection.
- Decreased time needed to detect system problems by visualizing this metrics data on the time series analytics platform Grafana.

Education

University of Massachusetts Amherst

Amherst, Massachusetts

B.S. IN COMPUTER SCIENCE

May 2019

- GPA: 3.98

Skills

Languages Proficient in JavaScript, C/C++, Python and Java

Platforms Develop on Windows, Debian Linux and with Git

Interests Experience with Front-End, Back-End and Full-Stack Development

Personal Projects

Quarantine Cave Survey

Lanesborough, Massachusetts

CAVE SURVEY

May 2020

- Surveyed Quarantine Cave by laser distance measure (disto).
- Helped produce an accurate cave map for the benefit of researchers and other cavers.

Movement Disorder Symptom Monitor

Amherst, Massachusetts

iOS APP

Dec 2018

- Created an iOS app that helps clinicians and researchers with the diagnosis and monitoring of movement disorders in patients by collecting data on their symptoms.
- Processes inertial sensor data from an iPhone or Apple Watch to evaluate motor symptoms.
- Developed for researchers at Rutgers University.

“Yo Mamma Joke Generator” at HackUMass Hackathon

Amherst, Massachusetts

HACKATHON AWARD WINNER

Oct 2015

- Created an application that turns internet news articles into Yo Mamma jokes.
- Uses natural language processing and sentiment analysis to attempt to find the funniest adjective/noun combination.
- Implemented the IBM Bluemix API and web scrapers.

Honors & Awards

2018 Computer Science Dean's Merit Scholarship, University of Massachusetts Amherst

Amherst, MA

2015 IBM Bluemix Award, IBM Corporation via HackUMass Hackathon

Amherst, MA

2015 Chancellor's Award, University of Massachusetts Amherst

Amherst, MA

2015 Eagle Scout, Boy Scouts of America

Plainsboro, NJ