Colin S. Stern

SOFTWARE ENGINEER

18 Gulick Ln, Plainsboro NJ 08536

☎ (609) 613-3379 | ✉ cstern19@gmail.com | 🏠 www.colinstern.com | ⌨ colinstern | in colin-stern

Experience

Bloomberg Software Engineer   New York, New York
BLOOMBERG EVALUATED PRICING MUNICIPALS TEAM   *Sep 2019 - Present*

- Improved proactive identification of problems with the pricing system by publishing metrics to a telemetry system.
- Decreased time needed to detect system problems by visualizing this metrics data on the time series analytics platform Grafana.
- Simplified system maintenance by publishing metrics in an easily extendable way.
- Developed in C++ and Python.

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 Java, C/C++, Python and Node.js

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*