

# Eugene Sokolov

New York, NY

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Full stack engineer with 4+ years of software development experience in the financial technology industry looking to join a high growth team and solve interesting software/data problems. I enjoy designing robust systems and having my code automate!

## Skills

**Strong:** Python (pandas, Flask/Django), SQL, NoSQL (Redis, Mongo), database design, automation, Linux, git, REST/RPC

**Intermediate:** Javascript (Angular/NGRX, React/Redux, Node), C++, AWS, Terraform, Packer

## Experience

**Adaptive Management/Knoema** New York, NY

2019-

*Senior Software Engineer (fullstack)*

- Develop, build, and support Oasis, a data infrastructure and ingestion system with a Django web application
- Develop, build, and support DataMonster, a data management and visualization Flask web application
- Increased productivity 20x by improving developer coding experience, PR processes, testing, and dev ops
- Increased revenue 15% by suggesting a major feature and wrote product specs, giving more fine grained introspection and control over charting tools
- Spearheaded successful Python 2.7 to 3.8 transition
- Refactored Python library providing API access to data, resulting in 4x faster downloads and increased client usage
- Managed team of 6 contracted developers to build Selenium regression test framework, increasing QA productivity exponentially

**The Cooper Union for the Advancement of Science and Art** New York, NY

2018-

*Adjunct Professor - ECE 464: Databases* [github.com/eugsokolov/ece464-databases](https://github.com/eugsokolov/ece464-databases)

- Teaching a graduate level course exposing students to theoretical and practical applications in modern database development
- Topics include: relational data model, SQL, ORMs, database design, NoSQL, "Big Data"

**Hudson River Trading** New York, NY

2016-2019

*Operations (software) Developer* (Series 57 certified)

- Monitored live trading weekly, tended to operational issues in a fast paced environment, and debugged mission critical software handling hundreds of millions of trades daily
- Worked with all areas of the firm to streamline company procedures and operational requests
- Developed, built, and maintained various Python processes and automated workflows
- Decreased corporate action issues 10x by automating procedures and improving override capabilities
- Created system to automate ETF order placement, managing notional values of \$1-10 million daily

## Projects and Research

**On Software Development Product Management: Feature Selection and Model Analysis of Predicting Jira**

**Issue Attributes:** *Masters Thesis*

2016-2017

- Researched Jira to determine factors that drive issue completion time, priority, and resolution using regression methods

**The Influence of the Medial Prefrontal Cortex on a Socially Influenced Deception Task as Determined via Transcranial Magnetic Stimulation:** *7th Annual Sense to Synapse Conference*

2017

- Built programs for psychology experiments analyzing the medial prefrontal cortex and its affect on human social patterns

**Wi-less Gauss:** *Senior Project Design*

2016

- Created wireless glove-mouse as a computer mouse alternative, Fiverr Ingenuity Award at DreamIt.CodeIt.WinIt competition

## Education

**The Cooper Union for the Advancement of Science and Art** New York, NY

• Masters of Engineering (M.Eng.), Electrical Engineering **4.0 / 4.0**

2017

• Bachelors of Engineering (B.Eng.), Electrical Engineering **3.5 / 4.0**

2016