

# Maxim Gorshkov

[maximgorshkov.com](http://maximgorshkov.com) • [linkedin.com/in/m-gorshkov](https://linkedin.com/in/m-gorshkov)

## EDUCATION

### University of Rochester

*Bachelor of Science, Computer Science; Bachelor of Arts, Business*

**Rochester, NY**

*August 2019–May 2023*

- **GPA:** 3.91/4.00
- **Honors:** Dean's Scholarship, Dean's List (6 out of 6 eligible semesters)

## EXPERIENCE

### InterSystems

*Senior Developer*

**Boston, MA**

*July 2023–Present*

- Maintained and improved the HealthShare UCR product to ensure efficient and secure clinical data processing
- Worked with internal and external stakeholders to address clinical safety, data integrity, and compliance issues

### Zendesk

*Software Engineer Intern*

**Remote**

*June 2022–August 2022*

- Developed an internal tool for monitoring and debugging TLS certificates using Python and JavaScript
- Implemented a React front-end application built on top of a Django RESTful API
- Configured CI/CD pipelines (Spinnaker, GitHub Actions) and deployed the tool to a Kubernetes cluster

### Windermere Key Capital

*Quantitative Developer Intern*

**Miami, FL**

*September 2021–June 2022*

- Developed a rule-based trading automation system in Python that manages a \$6 million portfolio
- Implemented Python routines for ingesting financial data into InfluxDB running on Apache Airflow
- Used Deep Learning to build and train macroeconomic models that drive the firm's asset allocation strategy
- Created and maintained a tool suite (in C# and Python) for visualizing financial metrics used by traders

### Neuravest Research

*Quantitative Analyst Intern*

**Atlanta, GA**

*February 2021–August 2021*

- Implemented a Python integration between Rithmic Brokerage API and the company's trade execution system
- Designed a financial data caching system using Python that outperformed the old implementation by 55%
- Created a Java app that ingests, processes, and persists a Kafka stream of 17,000 NASDAQ messages/sec
- Worked in a team to develop a Deep Learning trading strategy based on the Williams %R technical indicator

## PROJECTS

### Twitter for Women, [Twitter #Codechella 2020 Hackathon Submission](#)

*Fall 2020*

- Won 1<sup>st</sup> place in the "Twitter for Good" challenge category for the #Codechella 2020 global hackathon
- Built and deployed a prototype of a Twitter chatbot that responds to incoming messages using Python

## CAMPUS LEADERSHIP ACTIVITIES

### Google Developer Student Club

*Technical Lead*

**Rochester, NY**

*September 2020–May 2021*

- Led a team of 10 people to develop and execute a year plan for the University of Rochester's DSC chapter
- Designed the curriculum for a 5-week workshop series about Android app development using Flutter

### University of Rochester, Department of Computer Science

*Teaching Assistant (Artificial Intelligence)*

**Rochester, NY**

*January 2021–May 2021*

*Teaching Assistant (Formal Systems of Computation)*

*September 2020–December 2020*

*Teaching Assistant (Data Structures & Algorithms)* *January 2020–April 2020, September 2021–December 2021*

## SKILLS

**Software Engineering & Data Science:** Python, Java, C/C++, C#, Rust, OCaml, SQL, MATLAB, Linux/Unix

**AI & Machine Learning:** NumPy, Pandas, Scikit-Learn, PyTorch, Computer Vision, NLP, Prompt Engineering

**DevOps & Cloud:** Git, Docker, Kubernetes, Terraform, CI/CD, GitHub Actions, AWS, EC2, S3, Lambda, SQS

**Web Design & Development:** HTML, CSS, JavaScript, React.js, Node.js, MongoDB, Django, Flask, Nginx