

# ERIK HOXHAI

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## EDUCATION

**Stevens Institute of Technology**

Expected 2028

Bachelor of Science in Mathematics; Bachelor of Science in Computer Science

GPA: 3.802

Relevant Coursework: Multivariable Calculus, Probability and Statistics, Linear Algebra, Discrete Mathematics, Data Structures

## WORK EXPERIENCE

**Velosaty**

New York, NY

*Software Engineer Intern | React, Firebase, NodeJS, Git*

*Jan 2025 – Present*

- Enhanced website performance and load by 12% through refactoring of the code base, improving load times and responsiveness
- Connected RESTful APIs with Firebase to streamline backend interactions and data access
- Developed and designed react components in collaboration with UI/UX, leveraging Git for streamlined version control and Trello for communication

## PROJECTS

**Bitcoin Data Pipeline** | [link](#) | Java, Python, Maven, Kaggle, Selenium, Linux

- Developed a java-based data pipeline using Selenium to web scrape real-time bitcoin data, store the data in a csv file, and upload to Kaggle using a python script
- Deployed the project to a Raspberry Pi 5 running Ubuntu Linux, using cron jobs to automate the data collection and upload process, updating the dataset every night
- Built the project using Maven for dependency management and packaged the project into a jar file for portability across platforms and ease of use

**Black-Scholes Modeling** | [link](#) | Python, Streamlit, Scipy, Numpy, Matplotlib, Seaborn

- Implemented the Black-Scholes model using Python with libraries such as Scipy, Numpy, Matplotlib, Seaborn, and Streamlit to create an interactive web app
- Deployed the program to the web using Streamlit's hosting, supporting over 320 unique users with a modeling service

## Leadership

**Stevens Math Club**

*President*

- Led weekly practice sessions to compete in math competitions with peers such as the Putnam and MCM competitions
- Hosted seminars with Professors and industry professionals from diverse fields
- Organized methods of communication, prepared for events, and creating meeting schedules

## Skills

*Programming:* Python, Java, Javascript, C++

*Libraries:* NumPy, SciPy, Matplotlib, Seaborn, Selenium, Kaggle

*Frameworks:* StreamLit, React

*Technologies:* Git/GitHub, Linux

*Interests:* Tennis, Civilization VI, Weightlifting, Formula 1, Soccer