

Michael Sanders

Kirkland, WA, 98033 | 425-305-0202 | mgs264@cornell.edu | linkedin.com/in/michael-gabriel-sanders/

EDUCATION

Cornell University, College of Arts and Sciences

Ithaca, NY

Intended Bachelor of Arts in Computer Science

Expected Graduation: May 2026

Relevant Coursework: Algorithm Analysis | OOP / Data Structures | Functional Prog. | Artif. Intelligence | Linear Algebra

SKILLS & INTERESTS

Languages: Python, Java, R, HTML/CSS, OCaml, JavaScript

Developer Tools: Visual Studio Code, IntelliJ, RStudio, Eclipse, Jupyter Notebook, Git, Azure DevOps, Node.js, MongoDB

Interests: Music Production / DJing | Cooking | Basketball | Rebuilding 80s-era cars

PROFESSIONAL EXPERIENCE

iD Tech Camps

Seattle, WA

Software Programming Instructor

June 2024 - Present

- Lead interactive lessons, teaching programming concepts in Java and Python to students of varying skill levels
- Provided one on one mentorship with students to help students overcome programming challenges and bugs
- Coordinated with a team of instructors to formulate curriculum changes, improving educational outcomes

Aude.ai

Remote

Software Engineering Intern

February 2024 – June 2024

- Worked in JavaScript to develop API handlers, assisting in the platform's workflow, scalability, and data analysis
- Developed data scrapers for GitHub repositories, aiding in training a Retrieval-Augmented Generation (RAG) model
- Applied agile methodologies to efficiently help plan and execute sprints, assisting with project delivery timelines

Cornell Autonomous Sailboat Team (CUSail)

Ithaca, NY

Navigation Subteam Member

September 2023 - Present

- Developed software with CUSail's Navigation Subteam, enhancing code for autonomous sailboat navigation
- Re-organized code architecture to improve system efficiency and maintainability through refactoring functionality
- Collaborated with a 12-member team, assisting with aligning project roles with individual strengths

PROJECTS

Mail Analysis | *Python, NLTK, Google API, OAuth2, Visual Studio Code*

Kirkland, WA

Developer

June 2024 – Present

- Created a tool to analyze a user's sent emails for speech patterns and commonly used words or phrases
- Utilized Google's Gmail API and OAuth2 to securely fetch and process sent messages from the user's account
- Implemented basic natural language processing using the NLTK library for tokenization and frequency analysis

Portfolio Manager | *OCaml, Visual Studio Code*

Ithaca, NY

Developer

October 2023 – Present

- Designed a program to assist in stock trading strategies by automating trading decisions
- Integrated candlestick graph analysis to identify buy and sell opportunities and monitor share prices
- Established an interface to create and manage multiple portfolios and utilize portfolio operations

BeatPad | *Java, IntelliJ*

Kirkland, WA

Developer

July 2023 – Present

- Developed a chord sequencer, touchscreen midi controller, and a recording function using Java
- Implemented object-oriented programming practices such as class inheritance to create unique objects
- Created a GUI using Swing programming that supports actions such as playing different notes or sequencing chords

LEADERSHIP, EXTRA-CURRICULAR, AND VOLUNTEER ACTIVITIES

Special Olympics New York

Ithaca, NY

Fundraiser

March 2024

- Raised \$108,000 collectively to create opportunities for intellectually disabled athletes
- Communicated the cause of the non-profit to potential donors, expediting the donation process
- Participated in a cold-water plunge to further raise awareness for the fundraiser