Michael J. Paglia
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SKILLS

- Java, JavaScript, Python, NumPy, Flask, C, C++, Lisp, Selenium, Solidity, SQL, Nginx

PROFESSIONAL EXPERIENCE

Undergraduate Student Researcher — University at Albany, SUNY *Sep. 2023-Present*
- Researches algorithms for temporal graph signal detection in Petko Bogdanov's DMM Lab
- Primary contributor to PySpady, a Python sparse multi-dictionary coding library

STEM Tutor — PAPER Tutors *Jun. 2022-Present*
- Conducts virtual tutoring sessions for computer science and mathematics
- Coaches students on general programming principles using question-based teaching method
- Offers bilingual (English and Spanish) support while working with multiple students concurrently

Founder & CEO — M.P. Mercantile, L.L.C. *Nov. 2020-Present*
- Founded a start-up e-commerce business hosted on major online marketplaces
- Achieves over six figures annually in gross sales revenue

Intern — Regeneron Pharmaceuticals, Inc. *May-Aug. 2023*
- Collaborated with IT department to implement a CRUD application interface and REST API
- Provided smart contract-based access using Python, Flask, JavaScript, and Dremio Data Lake
- Automated internally written regulatory report data through Microsoft Powersuite

Blockchain Consultant — Self-Employed *Jan. 2021-Mar. 2022*
- Advised a group of 100 people on trends regarding cryptocurrency and non-fungible tokens
- Protected clientele by monitoring malignant code in smart contracts in the Web 3 sector

EDUCATION

University at Albany, SUNY *Anticipated May 2024*
Bachelor of Science in Computer Science
- GPA: 3.85
- Societies: Phi Beta Kappa, The Honors College, National Society of Collegiate Scholars

PROJECTS

Personal Website *Jan. 2023*
- Created a custom, secure website using HTML, CSS, and JavaScript
- Hosted website on a private web server paired with Debian 11 OS, Nginx, and Certbot

Interpreter *Aug.-Nov. 2022*
- Developed an interpreter using Java by lexically analyzing tokens from a .txt file, parsing tokens into nodes, semantically analyzing and interpreting nodes into output