ARNUV PERI

github.com/arnuvperi

(425) 282-9579 arnuvp@umich.edu linkedin.com/in/arnuvperi

EDUCATION

University of Michigan Expected Graduation: May 2025

Multiple Dependent Degree Program, Engineering and Business Administration:

Bachelor of Science in Engineering, Computer Science *(Dean's List)* GPA: 3.60

Bachelor of Business Administration, Ross School of Business GPA: 3.93

International Programs in Engineering: Paris, France May 2023 – July 2023

Coursework: Data Structures and Algorithms, Computer Architecture, Foundations of Computer Science, Discrete Mathematics, Web Systems and Applications, Computer Vision and Machine Learning, User Interface Development

Activities: National Organization for Business & Engineering [VP of Consulting], Michigan Concrete Canoe [Business Lead]

SKILLS

Languages: Python, C/C++, Java, MATLAB, JavaScript, HTML/CSS, Swift, Julia

Technologies: Node.js, React.js, Flask, PyTorch, NumPy, Pandas, Git, Android Studio, SQL, Azure DevOps, OpenCV

EXPERIENCE

VP of Consulting *(Jan 2024)*, **Project Manager** *(Aug 2023),* **Software Consultant** *(Jan 2023)* **January 2023 – Present**

National Organization for Business & Engineering – Consulting Group @ UM Ann Arbor, MI

- Oversee six student consultant groups and 45 students working with local and global clients on engineering-related problems.
- Collaborated with local clients to design technology solutions through websites campaigns to improve operational efficiency and bolster customer engagement, expanding acquisition into multiple new target markets.

Teacher Assistant, TO 420 (Intro to Python) **October 2023 – December 2023**

University of Michigan Ross School of Business Ann Arbor, MI

- Attended lectures to teach over 40 students through in-class Python problems and concepts.
- Graded weekly homework assignments and mentored students in one-on-one office hours to increase comprehension.

Undergraduate Research Assistant, Lead Computer Science Analyst **April 2022 – December 2022**

University of Michigan Medical School Remote; Ann Arbor, MI

- Investigated positive effects of ketamine on over 250 zebra fish with a calcium imaging library (CIAtah) in MATLAB.
- Extracted time-sequenced cell activity from 12 terabytes of video footage through autonomous visual processing algorithms.
- Analyzed over 10,000 neural clusters with graph theory by mapping filtered cell activity, identifying critical brain regions.

Software Engineering Intern **May 2022 – August 2022**

National Instruments (NI) Austin, TX

- Led improvement of an efficient backend automated test framework, leveraging the Agile Software Development life cycle and collaborating with engineers globally to achieve a 40% improvement in test coverage.
- Integrated virtualization technologies to run Python Automated Tests Systems, reducing Linux resource consumption by 50%.
- Configured tests to operate in the Azure DevOps pipeline at each Git pull request improving build times by six hours.

PROJECTS

Ingredient Inspector *Android Studio, Java*

- Alerts users to over 1,000 specific allergen or dietary conflicts through a customizable food ingredient search tool.
- Integrated SQL database, API endpoints to fetch FDA resources, and Firebase storage for user options across multiple devices.

Insta485 *Python, JavaScript, React.js, HTML/CSS*

- Developed an Instagram clone, focusing on React.js client-side dynamic pages and AWS hosting for scalable deployment.
- Implemented a robust server application enabling hundreds of concurrent AJAX calls to the Python Flask REST API, achieving integration with an SQLite database, enabling secure user authentication.