

Mitchell Calapai

[in](#) Mitchell Calapai | [508-208-9276](tel:508-208-9276) | mcalapai.com | mitchellcalapai.com | [Github: mjcalapai](#)

Skills

Python | NumPy | Pandas | JavaScript | Java | TypeScript | C++ | C | MySQL | Node | Express | React | Git | Jest | Swift | AWS | Functional Programming | Data Structures | Computer Systems | Web Development | Jest | Unit Testing | OOP | MultiVariate Calculus | Linear Algebra | Statistics | Computation | Frontend | Backend | Full-Stack | English – *All professional proficiency*

Projects

Image Processing

- Solo-project to teach myself higher order functions and the basic principles of Javascript/TypeScript. Manipulated image pixels and colors and filters to images. **JavaScript, Typescript, Jest, Prettier, VSCode**

Portfolio

- Portfolio website teaching myself front-end web development. Coded in HTML, CSS, and JavaScript. Continuous project to practice JavaScript. **JavaScript, HTML, CSS, GitHub**

Trading Algorithm

- Machine learning project working with python with a team of undergraduate students in the data science club. **Python, Pandas, NumPy, GitHub**

Education

Bachelor of Science

University of Massachusetts - Amherst

Amherst, MA, USA

09/2023 - 12/2026
(Expected)

- Major in Computer Science, Minor in Mathematics

Work Experience

Information Technology

Literacy Volunteers

Fitchburg, Ma

05/2024 - 08/2024

- Worked in IT to optimize aspects of technology for a non-profit in need of organization with technology
- Managed cybersecurity decisions to ensure the integrity of systems
- Oversaw aspects of technology at Fitchburg location

Operations

Montillio's Bakery

Brockton, Ma

05/2024 - 08/2024

- Digitized historical catering data for streamlined operations
- Provided excellent customer service both in person and over the phone
- Conducted photography for marketing materials, enhancing visual content

Courses

- **Multivariate Calculus**
- **Programming Methodologies** - JavaScript, TypeScript
- **Data Structures** - Java
- **Object Oriented Programming** - Java, Python
- **Linear Algebra**
- **Probability Under Uncertainty** - Statistics
- **Physical Computing** - Arduino Programming, 3D Printing, Laser Cutting, Circuits
- **Introduction to Computation** - Discrete Math
- **Computer System Principals** - C

Clubs

- **Data Science Club**
- **Machine Learning Club**

References

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