

Vytas Alexander Subacius

vsubacius.github.io

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EDUCATION

- **University of Massachusetts Amherst, Amherst, MA**

Bachelor of Science in Computer Engineering (Expected May 2027)

***Relevant Coursework:** Advanced Programming, Analytical Tools, Circuits and Electronics I, Computational Tools*

- **Groton-Dunstable Regional High School, Groton, MA (May 2023)**

GPA: **4.0**

***AP Courses:** Statistics, Calculus AB, Environmental Science, U.S. World History, Intro to Comp. Sci.*

***Extracurricular Activities:** Robotics Club, Track and Field*

SKILLS

- **Programming Languages:** Python, PHP, CSS, Javascript, HTML
 - **Circuit Design:** IC Analysis/Design, LTspice, Soldering, PCB Design, Hardware Troubleshooting
 - **Technical Tools:** Excel, Matlab, CAD Software, GitHub, Docker
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EXPERIENCE & PROJECTS

- **Project, Wigand the Autonomous Drone (Dec. 2024 - ...)**

Designed and built a custom autonomous drone for advanced functionality.

Leveraged FPV components and iNav firmware to enable autonomous navigation and precise flight control.

Focused on modular design, open-source software integration, and efficient hardware selection for cost-effective scalability.

- **Project/Intern, PulsR AI (Dec. 2024 - Jan. 2025)**

Designed and implemented a Web3 portal enabling secure wallet connectivity and payment integration for user access.

Developed token-based access control using \$PULSR and other cryptocurrencies, with dual access models (token holding or subscription).

Focused on user experience, blockchain technology, and seamless payment processing.

- **Intern, EffortlessHome (May 2024 - Aug. 2024)**

Contributed to the development of web/OS applications using Python, PHP, and CSS.

Utilized Docker for efficient containerization and deployment of applications.

Experienced with AGILE and SPRINT planning.

GitHub for version control.

Developed scripts using YAML for configuration management.

- **Barista, Dunkin, Groton, MA (May 2024 - ...)**
- **Barista, Starbucks, Nashua, NH (May 2022 - Sept. 2023)**
- **Cashier, Shaw's Supermarket, Groton, MA (May 2020 - May 2022)**
- **Cashier, McDonalds, Nashua, NH (Jan. 2019 - May 2020)**
- **Massachusetts State Certified Youth Soccer Referee (Aug. 2016 - Nov. 2019)**

