Grady Michael Thomas

gradyt@mit.edu ❖ (404) 426-1276 ❖ Atlanta, GA/Boston, MA ❖ gradythomas.net

EDUCATION

Massachusetts Institute of Technology **August 2019 - Present**
BS in Computer Science and Electrical Engineering Candidate, anticipated completion May, 2024 *Boston, MA*
- Member of Phi Kappa Sigma Fraternity, President of Outing Club, WFR+CPR Certified
- Relevant Teaching: Intro Embedded Systems LA S2022, Electronics First LA S2023
- Relevant Coursework: Power Electronics Lab, Signal Processing, Microcomputer Lab, Intro Algorithms

NOLS Summer Semester in Alaska **May 2021 – July 2021**
Student *Palmer, AK*
- Camped, hiked, kayaked, and did mountaineering for 75 days with a small group of students and instructors
- Developed leadership, communication, risk management, and outdoor skills including first aid and navigation

The Westminster Schools **August 2015 - May 2019**
Class of 2019 *Atlanta, GA*
- National Honor Society, National Merit Scholarship Winner, National Cum Laude Society, Honor Council
- Boy Scouts, Achieved Eagle in April 2018, led troop as Patrol Leader, Instructor, and Order of the Arrow Rep

EXPERIENCE & PROJECTS

Moondance Adventures **May 2022 – August 2022**
Trip Leader *Anchorage, AK*
- Led two three-week sessions of about 11 high-schoolers with two co-leaders, including an eight-day backpacking section in the Talkeetna mountains, sea kayaking, and other activities in the Alaskan backcountry
- Managed all trip logistics, meal planning and cooking, first aid, group development and conflict resolution
- Taught lessons on leadership skills, communication, cooking, hygiene, navigation and led nightly group reflections

Voxel Lab Makerspace **September 2021 – December 2021**
Student Manager *Boston, MA*
- Helped kickstart the new Voxel Music Tech Makerspace with Prof. Ian Hattwick by laying out the space, helping design the website, developing trainings and workshops, and building 3D printers, tables, and other workstations
- Ran open hours for MIT community 1-2 times a week and oriented new members, as well as assisted members with their projects and taught engineering skills such as designing, prototyping, and soldering circuits

Georgia Tech Research Institute **May 2020 – May 2021**
Software Development Co-Op *Atlanta, GA*
- Developed features for React Frontend, Django Backend, and C++ embedded systems for various parts of COARPS radar testing system (Purple Martin) by building off large existing codebase
- Designed and implemented SQL database structure to hold large amounts of raw radar data, as well as significantly increased the system bandwidth by storing only raw binary and selectively parsing as needed

BetterLesson Externship **January 2020**
Web Development Extern *Boston, MA*
- Built frontend and backend of tabs for home page with React and the Python Flask framework
- Gained experience with test driven development and the Agile system of development

SKILLS/INTERESTS

- Programming: Python, Java, React, MySQL, HTML, CSS, Git, Django, Flask, C++, Processing
- Hardware: circuit design and prototyping, soldering, laser cutting, SystemVerilog + Vivado Design Suite, basic CAD, PCB Design + Altium, 3D printing, mechanical hand tools
- Interests: guitar, mandolin, music production, camping, hiking, climbing, AI art, image editing, graphic design