Email: zacknawrocki@gmail.com **Zachary J. Nawrocki** Cell: (774) 766-1119
LinkedIn: cutt.ly/linked-in Personal Website: cutt.ly/zack GitHub: @zacknawrocki

Digital copy of resume and personal website

Objective:

To obtain a summer internship in the field of computer science.

Education:

Rensselaer Polytechnic Institute (RPI), Troy, NY — May 2021

Bachelor of Science in Computer Science, Concentration in Artificial Intelligence and Data
Awarded the Rensselaer Medal Award and Scholarship

- The Medal was first presented in 1916 with two purposes: to recognize the superlative academic achievement of young men and women, and to motivate students toward careers in science, engineering, and technology. This merit scholarship, with a value of $25,000 per year, is guaranteed yearly for Rensselaer Medalists at RPI.

Clubs: RPI Computer Science Club, Member of Alpha Sigma Phi (Head of Philanthropy/Webmaster)

Bishop Connolly High School, Fall River, MA

Ranked #5 in graduating class, 3.97 GPA, National Honor Society, Mu Alpha Theta Mathematical Society, Sociedad Honoraria Hispánica, Sports: Ice Hockey (4 years) and American Football (3 years)

Technical Qualifications:

Languages: C++, Python, Java, C, Assembly, Processing, JavaScript, PHP, CSS, HTML
Operating Systems: Windows, MacOS, Unix, Linux
Skills: Bash, Git, QA, ROS, Software Engineering, Web Development, Raspberry Pi, Machine Learning

Professional Experience:

LESA Software Development Researcher — January 2019 - Present

- Integrated occupant localization, optimized system controls, and implemented/evaluated an integrated system for collecting user preferences.
- Funded primarily by the National Science Foundation, the LESA Center is dedicated to developing autonomous intelligent systems to address modern challenges in the connected environment. This specific project involves the area of autonomous HVAC control for smart buildings.

Leidos Software Engineer Intern — Summer 2018

- Leidos Cyber, originally the commercial cyber security division of Lockheed Martin, was acquired by Capgemini while working here in the summer of 2018.
- Developed and tested for the Industrial Defender Automation System Manager (ASM) platform, a management platform that aggregates event and state data from industrial endpoints across all vendor systems in one location for a single, unified view of operations.
- Responsible for the development and implementation of a major new feature in ASM 7.1, where asset licenses are automatically classified before being configured on the ASM.
- Worked on the Software QA Engineering Team and tested versions of ASM, ASA, agents, network-based intrusion detection systems, and other components of the Industrial Defender ASM Solution.

Selected Personal Projects:

Fossa

- A social media platform with a focus on customization, privacy, and personal hobbies. I look forward to launching a new social media experience in the near future with this fairly new and ongoing project.
- Customization: control of feed, organization of personal interests and hobbies into “sub-profiles” of users’ default profiles, daily-use timer options for better health, and custom designs of profile pages.
- Privacy: user data is protected, optional encryption for select user data, schedule activity deletions, and unlimited control of posts and activity between followers, close friends, and other users of Fossa.

Open IO

Contributor and cofounder of Open IO: an open-source, real-time multiplayer game engine solution, intended for the development of IO games.

Other projects can be found on my personal website, GitHub, and LinkedIn.

Relevant Coursework:

Open Source Software, Network Programming, Computational Biology, Principles of Software, Introduction to Algorithms, Computer Organization, Foundations of Computer Science, Data Structures, Computer Science I, Differential Equations, Multivariable Calculus and Matrix Algebra, Calculus II, and Calculus I