

Nathanael Jennings

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EDUCATION

James Madison University
*Bachelor of Science in **Computer Science***

Harrisonburg, VA
Aug. 2022 – May 2026

Relevant Coursework

OOP, Stats, Web Development, Calculus, Data Structures and Algorithms, Discrete Math, Computer Systems, Scrum

TECHNICAL SKILLS

Languages: Java, Python, C, JavaScript, HTML/CSS

Frameworks and Tools: Visual Studio Code, Office, React, GitHub, IntelliJ, Google Cloud, Vim, Excel, Unix

PROJECTS

GUI based Analytic Engine with Unit Support | *Java, Git, Ticket System* February 2023 – April 2023

- Completed multiple 2 week sprints using a pseudo jira ticketing system; demonstrated team collaboration and version control; daily stand up and sprint reviews
- Responsible for tailoring the software to be able to change languages and themes based on contract company from locale
- Implemented comprehensive unit testing using jUnit testing, enabling accurate validation of key analytic functions and ensuring robustness against edge cases
- Delivered an on time and functional product meeting the needs of the pseudo shareholders

Drone Development and Tuning | *Betaflight, CLI* May 2020 – Current

- Utilized Betaflight CLI to script and tune parameters such as PID tuning, motor outputs, and calibrations
- Identified and resolved technical issues with flight controllers, ESCs, motors, and sensors by performing iterative testing and fine-tuning parameters, showcasing strong analytical skills in optimizing system performance
- Demonstrated a proficiency in hardware-software integration by coordinating flight controller firmware with real-time sensor inputs (gyroscope, accelerometer) to optimize flight performance
- Diagnosed and resolved complex flight issues by adjusting hardware settings and firmware, showcasing analytical and problem-solving skills

EXTRACURRICULAR AND LEADERSHIP

Delta Tau Delta Fraternity Aug 2022 – Present

External Affairs Committee

- Assist in organizing and managing social events and actively contribute to fraternity initiatives, working with a diverse team to foster community and brotherhood
- Participate in ongoing community service benefiting the JDRF fund in support of children with diabetes

JMU Chess Club Aug 2023 – Present

Executive Director of External Affairs

- Enhance the club's outreach through various member engagement strategies and support for social media
- Build a welcoming and inclusive community, encouraging both competitive and casual players to participate in club activities

WORK EXPERIENCE

Mahalo Poke House June 2022 – Jan 2024

Norfolk, VA

- * Delivered exceptional customer service in a fast-paced environment, handling multiple responsibilities including serving, cooking