

## Daniel Jacques

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Github:



### EDUCATION

Ohio University, Athens, OH

Bachelor of Science: Computer Science | Minor: Mathematics

Expected Graduation: May, 2021 | Overall GPA: (4.00 scale): 3.54

### QUALIFICATIONS

Computer and Technical:

- Languages: Python, C/C++, Java, MIPS, Ladder Logic, JavaScript/Typescript, HTML, Rust
- Tools: Android Studio, Arduino IDE, Atom, AWS, Command Line Compilers, Docker, Eagle, Fusion 360, GitBash, GitHub, Jira, Kubernetes, Microsoft office, Node, PuTTY, RSLogix5-5000, Visual Studio Code, VMware, Wireshark, XCode
- Operating systems: Windows, Linux, UNIX, Mac OS Mojave

General:

- Made the Dean's List in three of my completed semesters

### WORK EXPERIENCE

**Ohio Information Technologies (OIT)** *Student Software Engineer* (January 2020 – Present) Athens, OH

- Redesign the Ohio Application for Upperclass Scholarships from Coldfusion to Node.js and Angular
- Work in a scrum team of 3 in which I am tasked with backend development
- Work 14 hours on top of another job and a typical class schedule

**Heritage College of Osteopathic Medicine (HCOM)** *Computer Science Student Employee* (September 2019 – Present) Athens, OH

- Maintain and update the Ohio University HCOM website
- Create graphs and images based on real alumnus data
- Develop a Python web scraper to scrape from the Accreditation Council for Graduate Medical Education (ACGME) website

**Southwestern Ohio Council for Higher Education (SOCHE)** *Center for Cyberspace Research Intern* (May 2019 – August 2019)

Wright Patterson Air Force Base, OH

- Designed and programed in Python and Arduino a 4 Degree of Freedom table
- Worked to learn the 3-D modeling software Fusion 360 and printed circuit board (PCB) software EAGLE
- Learned the basics of I2C communication and connecting electronic components
- Attended lectures and completed basic labs based on cyber physical vulnerabilities
- Completed labs of programming a Programmable Logic Control (PLC) unit

**Oak Ridge Institute of Science Education (ORISE)** *Human Systems Integration (HSI) Lab Intern* (May 2018 – August 2018)

Wright Patterson Air Force Base, OH

- Assisted in performing and analyzing an electroencephalogram (EEG) study
- Wrote scripts pertaining to the study to process data
- Worked with Python, Arduino, and MATLAB coding languages

### Coursework and Projects:

- Computer Science and Engineering:
  - o Computer Organization    Data Structures    Software Tools    Programming Languages
  - o Compilers & Formal Languages    Design & Analysis of Algorithms    Parallel Computing
- Mathematics and Science:
  - o Calculus III    Discrete Math    Data and Statistics    Linear Algebra    General Physics II
- Projects:
  - o 4-Degree of Freedom Motion Table    Electroencephalogram Study    Kubernetes Server Manager
  - o Useless Website    Catmap    Grumpy Programming Language & Compiler    Checkers

### Extra-Curricular:

- Attend meetings regularly for the student run chapter of The Association of Computing Machinery (ACM) at Ohio University
- Participated in three hackathons in which my team won our desired category twice and second place (out of 45) once
- Build and tinker with PCs, Raspberry Pis, and Arduino boards

