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

Deans List: Fall 2017, 2018 2019

QUALIFICATIONS

- Languages: Python, C/C++, Ladder Logic, Javascript/Typescript, HTML, Rust, SQL
- Tools/Skills: Android Studio, Arduino, Apollo, AWS (DynamoDB, Fargate, S3, Lambda, API Gateway, EC2, ECS, ECR, CodeBuild, CodePipeline, CodeDeploy), Docker, Fusion 360, GitHub/Bash, GraphQL, Jira, Kubernetes, Node, Oracle, Postman, PuTTY, Rancher, REST API, React, React Native, Visual Studio Code, Wireshark, XCode
- Operating systems: Windows, Linux, Mac OS

WORK EXPERIENCE

Games by the Minute *Full Stack Developer/Partial Owner* (May 2020 – Present)

- Assisted in creating a GraphQL API for our services on an Apollo server
- Set up an AWS Code Pipeline to continuously deploy our most up-to-date applications from GitHub into an AWS ECS cluster
- Founded and incorporated a company, as well as design the business model
- Aided in building a component library to use throughout our website

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

- Redesign Ohio University applications from legacy code to updated deployable Typescript/Angular applications
- Work in an agile scrum team of 3 in which I am tasked with backend REST API development
- Work 14 hours on top of another job and a typical class schedule
- Earn experience with multiple modern development tools and libraries Docker, Kubernetes, Angular, and more
- Utilize skaffold to develop directly inside of a Kubernetes cluster

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 alumnus data
- Develop a Python web scraper to scrape from the Accreditation Council for Graduate Medical Education (ACGME) website

Innosource *Nationwide Application Developer Intern* (June 2020) Remote

- Researched and removed Feature Flipping for Java (FF4J) toggles across multiple business applications
- Attended lectures highlighting multiple design tools, principles, and fields
- Participated in daily standups to report on my work progress

Southwestern Ohio Council for Higher Education (SOCHE) *Center for Cyberspace Research Intern* (May 2019 – August 2019) Wright Patterson Air Force Base, OH

- Designed in Python and Arduino a 4 Degree of Freedom table
- Worked with 3-D modeling and printed circuit board (PCB) design
- Learned the basics of I2C communication and connecting electronic components
- Attended lectures and completed basic labs based on cyber physical vulnerabilities

Coursework and Projects:

- Computer Science and Engineering:
  - Design & Analysis of Algorithms   Computer Organization   Data Structures   Software Tools
    Programming Languages   Microcontrollers   Databases   Parallel Computing
    Compilers & Formal Languages   Embedded Systems   Operating Systems
    Software Design I & II
- Mathematics and Science:
  - Calculus III   Discrete Math   Data and Statistics   Linear Algebra   General Physics II   Differential Equations
- Projects:
  - Kubernetes Server Manager*   4-Degree of Freedom Motion Table   Personal Website   Catmap
    Grumpy Programming Language & Compiler   OU Upperclass Scholarship   The Green App**   Checkers
    OU Course Offerings   Electroencephalogram Study   Useless Website***

*2020 - Won second place out of 50+ at RevolutionUC, a hackathon located at the University of Cincinnatti

**2019 - Won the JP Morgan Chase award for environmental hack at Hackaplachia, a hackathon located at Ohio University for students of Appalachia

***2018 - Won an award for being the most useless hack at RevolutionUC