

Daniel Susman

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Experience

Corindus, Inc. | Jan. - Aug. 2021

Software Engineering Intern (Cloud) | Jan. - Apr. 2021

Python, Pytest, PostgreSQL, Bash, Docker, Postman, Azure Pipelines, TypeScript, Java, AWS ECS

- Improved cloud software stability using test-driven development of a REST API, PostgreSQL database, and Progressive Web App
- Authored and performed 200+ automated integration tests for remote robotic system's cloud architecture
- Collaborated with teams of software, QA, and DevOps engineers to design and build safe cloud environments for medical robot

Software Engineering Intern (UI) | Apr. - Aug. 2021

Qt, C++, Powershell, Bash, Helix ALM

- Designed and built four user interface applications for clinical interventionalists and test engineers to interact with a medical robotics system
- Reduced risk of safety critical faults by drafting over 250 software requirements and implementing thread-safe features following them
- Served as a key stakeholder on a team of ten software engineers and designers tasked to build safe and reliable software components that meet human factors, EMC, and international medical device software standards (IEC62304)
- Participated in large-scale DFMEA, Fault Handling, and Tool Validation efforts to maintain code reusability, ensure software and hardware safety, and abate health risk to patients in clinical trials

Projects

wroteit - A Simplified, Bootleg Reddit | Jun. - Jul. 2021

TypeScript, React, GraphQL, PostgreSQL, Next, Redis, Docker, Dokku, TypeORM, urql, Chakra UI, DigitalOcean Droplets

- Designed and developed a stripped-down version of reddit.com, which allows a user to register, log in, make a post, upvote or downvote existing posts, and delete or edit a post
- Built a custom API using GraphQL; explored server-side rendering, browser cookie management, and hosting fullstack web applications

dariususman.dev - A Super Lightweight Portfolio Site | Aug. 2021

Astro, TypeScript, React, CSS, Figma

- Contributing to version zero of Astro, the hot new static site generator with an HTML-first philosophy
- Building a simple and fast portfolio site to showcase past and future work

Education

Northeastern University

Bachelor of Science in Computer Science

Courses: Algorithms, Object Oriented Design, Networks, Software Engineering, Database Design, Computer Systems, Mathematics of Data Models
September 2019 - Present

Roy C. Ketcham Senior High School

Honors Diploma | Third in Class of 2019 | 4.25/4.0

September 2015 - June 2019

Honors/Achievements

GPA: 3.9/4.0 Dean's List Dean's Scholarship

Skills

Languages: TypeScript, Java, Python, HTML, CSS, C++, Bash, SQL, Golang (Learning)

Technologies: React, GraphQL, NodeJS, Qt, Docker, Azure DevOps, Git, Vim, Deno (Learning)

Soft Skills: Technical Writing, Collaboration, Problem Solving, Productivity, Time Management, Leadership, Communication

Interests

Technical: Backend and Fullstack Web Development, Developer Advocacy, Mechanical Keyboards, Serverless, Search Engine Optimization

Non-Technical: Hiking, Fitness, Sustainability, Cooking, Music Theory, Sound Design

References available upon request | susman.d@northeastern.edu