NATHANAEL MATHIEU

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EDUCATION

Wesleyan University — May 2020
Bachelor of Arts — Middletown, CT
Major: Computer Science — Overall GPA: 3.63
Minor: IDEAS: Integrated Design, Engineering, and Applied Sciences – Computer Concentration
Activities: Men's Rugby Team Captain, Outing Club

PROFESSIONAL EXPERIENCE

RLDP Rotation 3 — Jan. 2022 – Present
Onshape Workflow — Boston, MA

- Implementing quality of life improvements in the Onshape Web Client including unhiding hovered over parts by keyboard shortcut and click-drag trim in sketches
- Writing clear and concise automated tests using Protractor to ensure reliability and performance

RLDP Rotation 2 — Apr. 2021 – Dec. 2021
Onshape Mobile — Boston, MA

- Implemented catchup features including Reference Parameters in the iOS client
- Wrote automated tests in Xcode to ensure code accuracy and usability
- Evaluated usability heuristics to identify opportunities for improvement
- Integrated Vuforia Engine into the iOS client to enable the AR Object Placement story featured in Onshape Live 2022

RLDP Rotation 1 — Oct. 2020 – April 2021
Kepware Security — Portland, ME (Remote)

- Improved existing Gitlab pipeline infrastructure to increase stability and efficiency
- Increased Static Analysis coverage (Veracode, Black Duck) for automated code scanning process
- Investigated security vulnerabilities flagged by static analysis tools and from CVE's
- Created a React Electron "Thin Client" app to improve the testing experience for QA engineers

Development Intern — July 2019 – Aug. 2019
The Echo Group — Conway, NH

- Enhanced the iPad and Tablet user experience of a Java/React web application
- Revamped the usability of various forms and pages using CSS styling and JSX

ADDITIONAL EXPERIENCE

Studio Assistant — Sept. 2018 – May 2020
Engineering Studio — Middletown, CT

- Taught basic and intermediate SolidWorks skills to engineering students
- Assisted the design and implementation of circuitry and mechanical systems

Developer and Admin — Jan. 2019 – May 2020
Wescam — Middletown, CT

- Rebuilding the Django Python based Stack with a RESTful API
- Deploying a web application using Nginx on a Linux Server AWS EC2 instance

Substitute Teacher — March 2017 – March 2020
MSAD 55 — Hiram, ME

- Leading an elementary school classroom of ~20 students in mathematics, reading, and writing activities

SKILLS AND COMPETENCIES

Programming Languages

Python	Advanced
JavaScript/TypeScript	Advanced
Java	Intermediate
Swift/Objective C	Intermediate
C/C++	Intermediate
CSS / SASS	Intermediate
Bash/Powershell/Scripting	Intermediate
SML (Functional)	Intermediate
Assembly/MIPS/Jasmin	Basic

Development Technology

Git	Advanced
Agile Methodology	Advanced
Atlassian Suite	Advanced
Windows / Linux / macOS	Advanced
Postgres/SQL	Intermediate
Docker	Intermediate
MSAI/Gitlab CI/CD/Pipelines	Intermediate
Static Analysis (Veracode/Black Duck)	Intermediate
AWS (EC2, Route 53, S3)	Intermediate
React	Intermediate
Nginx	Intermediate
Gradle	Basic
GitHub Actions	Basic