

# NATHANAEL MATHIEU

[nathanael.eng.mathieu@gmail.com](mailto:nathanael.eng.mathieu@gmail.com) • 603-730-7578 • [nathanaelmathieu.dev](https://nathanaelmathieu.dev)  
[www.linkedin.com/in/NathanaelMathieu](https://www.linkedin.com/in/NathanaelMathieu)

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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

## PROFESSIONAL EXPERIENCE

**Rotational Analyst 1** Oct. 2020 – April 2021  
PTC – Kepware Portland, ME

- 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

**Rotational Analyst 2** Apr. 2021 – Present  
PTC – Onshape Mobile Boston, MA

- Implementing features in the iOS client to match the web client
- Writing automated tests to ensure code accuracy and usability
- Evaluating usability heuristics internally and in competitor products to identify opportunities for improvement

**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
- Working with Agile methodology using Jira and Bitbucket

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

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

## ADDITIONAL EXPERIENCE

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

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

**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

**Leadership Trainer** May 2020 – Aug. 2020  
Camp Calumet Lutheran Freedom, NH

- Designing and facilitating leadership development activities over Zoom
- Working closely in a team of two to manage 55 Trainees

## SKILLS

### Programming Languages

Python	Advanced
JavaScript / React	Intermediate
Java	Intermediate
Objective C	Intermediate
Swift	Basic
CSS / SASS	Intermediate
C / C++	Basic

### Development

Django	Intermediate
Git	Advanced
Postgres/SQL	Intermediate
Code Analysis (Veracode/Black Duck)	Intermediate
Docker	Intermediate
Windows / Linux / macOS	Advanced
Agile Methodology	Intermediate
Gitlab CI/CD	Intermediate

### Software

Bitbucket / Jira	Intermediate
Adobe Illustrator	Basic
SolidWorks	Intermediate