

Josef Karpinski

Middletown, CT | 203-494-0996 | josef.karpinski@uconn.edu
[linkedin.com/in/josefkarpinski](https://www.linkedin.com/in/josefkarpinski) | github.com/josef-karpinski

EDUCATION

University of Connecticut

Bachelor of Science in Computer Science

Bachelor of Arts in Applied Mathematics

Storrs, CT

Grad: May 2026

GPA: 4.0 / 4.0

- Awards: 2023 Babbidge Scholar, 4x College of Engineering Dean's List
- Relevant Coursework: Data Structures, Discrete Systems, Systems Programming, Algorithms & Complexity, Cybersecurity Lab, Computer Architecture, Artificial Intelligence, Big Data Analytics, Principles of Databases

EXPERIENCE

Software Engineering Intern

Pratt & Whitney

May 2024 – Present

East Hartford, CT

- Developed and deployed an app directory used by 100+ employees in my organization, utilizing VueJS and AWS
- Developed 3 report generation tools estimated to save the organization over \$20000/year in engineering labor, using Python, pandas, NumPy, AWS Lambda, and AWS CloudFormation
- Gained continuous experience with Git, GitHub, and Scrum Agile Methodologies for project workflows and efficiency
- Gained in-depth knowledge of AWS best practices in security and app development

PROJECTS

Circlegame | *Full-Stack + Game Design*

May 2022 – Present

- Developed a minimalistic aim trainer using the MERN development stack (MongoDB, Express, React, Node)
- Led a team of developers and leveraged Git and Agile methodologies to improve workflows and overall production
- Built an interactive and aesthetic frontend UI using React and p5.js
- Implemented a backend server using Node.js, Express, and MongoDB to manage user authentication, handle user scores, and maintain a dynamic leaderboard system

QuizCards | *Web Development + Chrome API*

April 2024 – June 2024

- Developed a Google Chrome Extension where users can turn online Quizlet flashcard sets into physical flashcards
- Implemented customizable PDF creation functionality using JavaScript and the Chrome Developer API

ValoScout | *Data Analytics + REST API*

June 2023 – November 2023

- Developed a comprehensive program to scout and analyze semi-professional VALORANT teams, providing valuable competitive insights for high-level tournament play
- Implemented a Python program for web-scraping, aggregating, and structuring data from multiple sources
- Created interactive dashboards for visualizing team performance metrics and trends

CERTIFICATIONS

IBM Full Stack Software Development | *Coursera*

August 2023

- Completed 12 courses on the fundamentals of Cloud Computing and Full Stack Software Development
- Developed full stack applications using frameworks such as React, NodeJS, and Django
- Learned how to utilize essential developer tools such as Git, Docker, and Kubernetes
- Enhanced knowledge on programming languages such as HTML, CSS, JavaScript, Python, and SQL

Google Data Analytics | *Coursera*

August 2023

- Learned key analytical skills such as data cleaning, analysis, and visualization
- Learned how to use essential analytic tools such as spreadsheets, SQL, R Programming, and Tableau

TECHNICAL SKILLS

Languages: Python, Java, C, R, SQL, HTML, CSS, JavaScript

Frameworks: React, Node.js, Express.js, Django, Flask, WordPress, Vue.js

Developer Tools: Git, GitHub, Docker, Kubernetes, Agile, Scrum, AWS S3, AWS Lambda, AWS Cloudformation

Libraries: PyTorch, NumPy, pandas, Matplotlib, PDF-LIB.js, p5.js, Processing