

# Josef Karpinski

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## EDUCATION

### University of Connecticut

Storrs, CT

*Bachelor of Science in Computer Science*

*Grad: May 2026*

*Bachelor of Arts in Applied Mathematics*

*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

## EXPERIENCE

### Software Engineering Intern

May 2024 – Present

*Pratt & Whitney*

*East Hartford, CT*

- Refactored the frontend code using VueJS in order to facilitate easier codebase maintainability and reusability for deploying AWS Lambda functions
- Developed two trending tool reports using Python libraries such as pandas and numpy and deployed them using AWS Lambda
- Practicing Git, GitHub, and Scrum Agile methodologies to enhance team workflow and production
- Learning my team's AWS cloud production architecture whilst completing training on AWS Cloud Essentials

## PROJECTS

### Quizlet to PDF | *Web Development + Chrome API*

April 2024 – Present

- Developing a Google Chrome Extension where users can turn online Quizlet flashcard sets into PDFs that can be printed as physical flashcards
- Creating the PDF generation functionality from scratch utilizing JavaScript while utilizing the Chrome Developer API

### ValoScout | *Data Analytics + REST API*

June 2023 – November 2023

- Developed a program that allows users to scout and analyze semi-professional VALORANT teams
- Implemented a Python program that used web-scraping to collect relevant data and transform the data into a well-documented structure
- Using tkinter, designed a user-friendly interface for browsing and analyzing VALORANT team data, including player statistics, match histories, and performance trends

### Circlegame | *Full-Stack + Game Design*

May 2022 – January 2023

- Designed and developed a desktop application to serve as an aim training video game
- Developed in Java using the Processing.org library
- Developed and deployed Circlegame's very own website using HTML, CSS, and JavaScript

## 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

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