

# Jack Psaras

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## EDUCATION

### University of Connecticut

Storrs, Connecticut

B.S & B.E in Computer Science, and Engineering

Expected Graduation, May 2024

- Concentration: CyberSecurity
- GPA: 3.5/4.0
- Related Coursework: Data Structures & Algorithms, Objects & Design, Computer Programming & Systems, Object-Oriented Programming, Statistics

## PROFESSIONAL EXPERIENCE

### Otis Elevator Co.

Farmington, Connecticut

Software Engineer Intern

May 2023 - August 2023

- Developed and maintained an embedded UI system using C# and HTML, enhancing the user experience.
- Collaborated with a cross-functional team of software engineers to design and implement interactive and responsive user interfaces.
- Implemented efficient data handling and communication protocols between the embedded system and external devices, ensuring smooth integration with the hardware components.
- Conducted thorough testing and debugging of the UI system, identifying and resolving issues promptly to meet project deadlines and deliver high-quality software.
- Optimized performance and memory management of the UI system, resulting in a more responsive application.
- Participated in design reviews and provided valuable insights to improve the overall user interface design.
- Utilized version control systems (e.g., DevOps/Github) to manage the codebase, enabling seamless collaboration with the development team and maintaining a history of code changes.
- Worked on legacy code and made changes to make it more efficient and successful during tests

### Captured Sun - Parchment

Austin, Texas

Senior Design Project - Software Engineering

September 2023 - May 2024

- Increased performance by refining algorithms for the HTML tree structure that we are mapping onto the filesystem
- Helped come up with a new design language to represent local and online elements together
- Fixed bugs in the code to better the performance of the program
- Utilized team meetings with the founder to brainstorm new ideas to implement in their Parchment program

### Westfall Technik

Ansonia, CT

Manufacturing Engineer/Program Management Intern

June 2022 - August 2022

- Created and built Westfall's project platform that has been implemented company wide across 20 locations
- Made project creation and organization more efficient
- Designed and conducted a time cycle study to improve the throughput of clean room parts
- Developed an automation process to improve speed and efficiency of displaying and editing projects
- Shadowed head of IT / Cybersecurity on site

## Projects

### Course Registration Website

<https://github.uconn.edu/CSE2102-Fall23/ProjectSec2Team3>

- Developed a robust university course registration system on AWS utilizing Lambda, REST API, DynamoDB, and S3
- Designed an intuitive vue.js based interface with a secure login for different users
- Deployed on Amazon Cloud for optimal scalability, reliability, and cost-effectiveness

## SKILLS

- **Programming:** Python, C, C#, JavaScript, Node.js, Vue.js, HTML, SwiftUI
- **Tools:** Lambda, API, Dynamo DB, S3, AWS, Visual Studio, GitHub, DevOps, Object-Oriented Programming, Firebase, basic SQL, Excel, PowerPoint
- **Personal Skills:** People Person. Self-made leader. Excels in high stress, fast-paced work environments  
Interpersonal skills with an aptitude to encourage collaboration

\*Certifications: Compia ITF+ - Information technology certification

June 2022