

Julian Larsen

jlarsen7011@gmail.com | Orlando, FL | [linkedin.com/in/j-larsen/](https://www.linkedin.com/in/j-larsen/)

EDUCATION

University of Central Florida | Burnett Honors College

Bachelor of Science in Computer Science

Expected December 2025

GPA: 3.44

Honors/Awards: Gilman Scholarship, NSF Flit-Gap award, Mu Alpha Theta Gemini Award

SKILLS / CERTIFICATIONS

Programming Skills: Java, Dart, Flutter, C#, C, C++, ReactJS, PostgreSQL, Python

Technical Skills: Git, Gerrit, Jira, FastAPI, SQLAlchemy, Docker, Kubernetes, Jenkins, DataDog

Certifications: CompTIA A+, IT Fundamentals, MTA Networking, Microsoft Office Specialist

EXPERIENCE

MazeMap | Software Engineering Intern

June - August, 2024

Trondheim, Norway

- Developed a web-based interactive tool to enhance user exploration and understanding of their environment.
- Implemented an ORM class structure with SQLAlchemy and data validation with Pydantic for a lightweight backend
- Utilized Kubernetes and Docker to build a redundant and secure deployment pipeline
- Assessed project viability and communicated using the Norwegian language

Edikt Studios | Game Developer

2021-2022

Fort Worth, TX

- Used Unity with C# on products with the goal of creating educational games for schools
- Utilized OpenCV with C++ to add image recognition to a suite of VR products
- Utilized the Scrum/Agile methodology and acted as Scrum Master, increasing productivity
- Collaborated using technology such as Slack and Github

PERSONAL PROJECTS

IoT Hydroponic Farm | Raspberry-Pi powered vertical farming solution

2023 - Present

- Developed a responsive application in C++ that can be deployed on Arduino microcontrollers
- Connected hardware through the Raspberry-Pi interface to give IoT abilities
- Developed a web-based interface for remote monitoring and live feeds
- Semi-Automated farming which produces a higher yield and greater consistency

Pass The Aux | Mobile party app for creating/maintaining playlists

November - February,

2023

- Utilized FlutterFlow to quickly deploy on multiple platforms
- Implemented server functionality through the EC2 platform by AWS
- Deployed server side applications in C# which communicated with mobile deployments in Dart
- Utilized Jira and Git to organize the project and streamline commits

CLUBS AND AFFILIATIONS

Sailing Club at UCF | President

2022 - Present

- Developed training procedures for 20 new members during a rapid membership growth of 333%
- Worked on Club outreach to establish sponsorship connections with other local sailing clubs
- Managed all funds and provided annual budgets

Cyber Patriot | Captain

2019 - 2021

- Established a new chapter and taught security vulnerabilities in Windows and Linux operating systems
- Utilized Windows administrative tools: UAC, Event Viewer, MMC and PowerShell
- Learned Linux and CLI technologies: Ubuntu, Debian, Bash, APT, GRUB and SSH
- Established secure, robust networking policies: Principle of least privilege, password policies, and 2FA