# Orion Powers

**Software Engineer**
**Melbourne, Florida**
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Personal Website

## Education

**Bachelor of Science in Computer Science** — Aug 2023 – Dec 2026
**Florida Institute of Technology** — *Melbourne, FL*

- **Relevant Coursework**: Software Development I & II, Algorithms & Data Structures I & II, Software Engineering, Operating Systems, Computer Organization, Computer Architecture & Assembly, Computer Networks, Programming Languages, Formal Languages & Automata, Discrete Mathematics, Linear Algebra, Probability & Statistics, Calculus II
- **Leadership**: Founder & VP of Computer Science Networking Society, Executive of FPV Division in Drone Club, Florida Tech Cybersecurity Club, Pi Kappa Alpha Fraternity

## Work Experience

**Modus Operandi** — Oct 2024 – Present
**Software Engineer Intern** — *Melbourne, FL*

- Engineered production-ready front-end modules for Air Force Pilot Oriented Modular Mission Learning platform using Angular, TypeScript, RxJS, and SCSS, directly contributing to DoD pilot training capabilities and mission readiness.
- Developed interactive Go.js knowledge-graph visualization enabling real-time LLM transparency through prompt tracing, query tracking, and data origin verification with multi-level filters for exploring AI decision-making processes.
- Implemented role-based access control (RBAC) for mission-critical dashboards using Keycloak identity management and JSON Web Tokens (JWTs), ensuring secure authentication and fine-grained authorization across microservices.
- Built a modular widget-driven dashboard framework with Angular, enabling cross-functional teams to rapidly prototype customizable mission views while maintaining design consistency and drastically reducing development time.
- Ensured DoD and Platform One compliance by enforcing Modus Operandi's proprietary linting standards, achieving 80% test coverage, and maintaining zero vulnerabilities through Bitbucket CI/CD pipelines with SonarQube quality gates.

**Hyperformant** — May 2024 – Oct 2024
**Software Engineer Intern** — *Dallas, TX*

- Architected full-stack SaaS platform using headless CMS architecture with Express.js/Node.js backend, React frontend, PostgreSQL database, and OAuth 2.0, ensuring seamless data synchronization and API integration.
- Increased user acquisition 40% and engagement 35% by redesigning marketing website with Figma prototypes, Three.js animations, Supabase backend, and Webflow CMS, achieving optimal Core Web Vitals and SEO performance.
- Collaborated in Agile/Scrum environment with cross-functional teams through daily standups, sprint planning, and code reviews, ensuring seamless integration of frontend components, backend services, and third-party APIs.

**Rare T Holdings** — Dec 2022 – Jun 2023
**Software Engineer Intern** — *Los Angeles, CA*

- Developed ML models using Azure Machine Learning Studio, Python scikit-learn, and Java Spring Boot for automated invoice processing and document classification, achieving 2x throughput increase and 94% accuracy.
- Integrated ChatGPT API with Microsoft Power Automate to create autonomous workflows for content generation and user notifications, improving operational efficiency by 30% and boosting user retention by 25%.
- Designed SharePoint approval workflows using Power Automate cloud flows and Power Apps, reducing approval cycles by 40% while implementing automated status updates and Git-like document version control strategies.

## Technical Skills

**Languages**: Java, Python, HTML5, CSS/SCSS, JavaScript, TypeScript, C++, SQL, Bash, Assembly (x86)
**Frameworks**: Angular, React, Node.js, Express.js, TensorFlow, Azure Machine Learning, Go.js
**Tools**: Git, Docker, Kubernetes, Azure, PostgreSQL, MongoDB, Jenkins, Atlassian CI/CD, AWS
**Enterprise**: Jira, Confluence, Bitbucket, Microsoft 365, Power Automate, SharePoint, Google Workspace, Figma, Webflow

## Professor Recommendation

**Dr. David Luginbuhl**, Associate Professor | Computer Science and Electrical Engineering
Florida Institute of Technology | dluginbuhl@fit.edu | +1 (321) 674-7156