Erik Grinn

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EDUCATION

Oregon State University *Corvallis, OR*
Bachelor of Science in Computer Science *September 2025*

- Cumulative GPA: 3.51

CERTIFICATIONS

Cisco Certified Network Associate (CCNA) *October 2025*
CompTIA A+ *April 2025*
CompTIA Security+ *April 2025*
CompTIA Network+ *March 2025*

TECHNICAL SKILLS

Networking & Security: TCP/IP, DNS, DHCP, Subnetting, Encryption, Authentication
Cloud & Deployment: Active Directory, Microsoft 365, AWS (Elastic Beanstalk, DynamoDB), Auth0
Languages & Frameworks: Python (Flask), JavaScript (Node.js, React), SQL, HTML, CSS
Tools: Command Line (Zsh, CMD), Git, VS Code, PyCharm, VMware, Hyper-V, Postman

EXPERIENCE

IT Vortex *Paramus, NJ*
IT Support Intern *July – October 2025*

- Assisted with user onboarding by managing accounts in Active Directory and Microsoft 365, ensuring seamless access for new users
- Utilized the HaloPSA ticketing system to track and resolve IT issues, including creating distribution groups and troubleshooting errors
- Observed administration of VMware-hosted client environments, building familiarity with enterprise virtualization systems

PROJECTS

User Management API | Flask, AWS (Elastic Beanstalk, DynamoDB), Auth0
Secure backend service for managing authenticated users with role-based access control

- Developed a Flask RESTful API deployed via AWS Elastic Beanstalk, implementing Auth0 for JWT-based authentication and authorization
- Integrated AWS DynamoDB for managing secure user data and enabling scalable, serverless storage within a RESTful architecture

Reliable Data Transfer Protocol Simulator | Python
Simulated RDT over an unreliable channel with loss recovery and data integrity mechanisms

- Developed client and host logic to handle packet loss, corruption, timeouts, and cumulative acknowledgments, ensuring in-order delivery and data integrity
- Implemented flow control, segment retransmission, and checksum validation in Python to emulate real-world network reliability challenges

Dealership Database | SQL, React
Full-stack inventory system featuring a PostgreSQL backend and React frontend

- Built a robust backend using a hosted PostgreSQL database and RESTful APIs to enable seamless CRUD operations and manage user-driven data interactions
- Developed a responsive React frontend in a collaborative environment with dynamic forms for managing and displaying inventory data