

Grant Versluis

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EDUCATION

Kennesaw University | Expected Graduation Date: May 2026
Bachelor Of Science in Computer Science

SKILLS & ABILITIES

Programming Languages: Python, Java, Rust, JavaScript, Typescript, HTML, CSS, Swift, SQL

Technologies & Tools: Postgresql, OpenCV, Git, Transformers, Next.js, React, React-Native, FireBase

Operating Systems: Mac OS, Windows, Ubuntu, Ubuntu Server

PROJECTS || www.github.com/Dyno-man

Autonomous Camera | *Python, YoloV3, Sockets*

- Engineered an autonomous camera tracking system in Python that uses a split-compute YOLO v3 tiny pipeline: running object detection on a high-performance host and streaming target coordinates via TCP sockets to a Raspberry Pi 4
- Modularized code into three components frontend camera capture, backend detection service, and Pi-side motor control facilitating easy testing, maintenance, and future expansion to new models or motor types

Eezy ReciPeezy | *Python, Flask, Nginx, React*

- Achieved 2nd Place, as the team lead, at the Kennesaw State University AI Club 2024 Hackathon with a dynamic AI-driven recipe generator.
- Trained a custom 135M-parameter SmolLM2 language model on the filtered Recipe NLG dataset, ensuring high-quality and contextually relevant recipes.
- Developed the backend infrastructure with Flask and Nginx, implementing efficient API endpoints for querying the model and handling user inputs.
- Leveraged Python and Gensim for dataset preprocessing, improving inference speed and overall recipe generation accuracy.

Babble Bridge | *TypeScript, React-Native, Express.js, Firestore, FirebaseAuth, Nginx, Web-Sockets*

- Placed first in the KSU Hackathon for Social Good by delivering **Babble Bridge**, a real-time messaging app with automatic translation across 100+ languages.
 - Implemented Firebase backend (Authentication & Firestore) with scalable data models, security rules, and role-based access to manage user profiles, chat rooms, and messages.
 - Built a real-time chat system using Express middleware and Nginx reverse proxy, enabling secure room creation, participant management, and optimized database read/write operations.
 - Integrated Google Cloud Translation API to create a robust translation pipeline with automatic language detection for both one-on-one and group chats.
 - Developed TypeScript RESTful API endpoints with type-safe interfaces, comprehensive error handling, and optimized Firestore queries for fast message retrieval and seamless multi-device synchronization
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EXPERIENCE

Kennesaw State University | CCSE Tutor

Aug 2024 – Jul 2025

- Provide academic support for 300+ students in 1000-3000 level Computer Science courses, including programming fundamentals, data structures, algorithms, and object-oriented programming.
- Guide students through complex coding assignments, fostering problem-solving skills and critical thinking.
- Assist in the CS1321 lab sessions, helping students troubleshoot code, clarify course concepts, and successfully complete practical assignments.

Northside Hospital | Intern

May 2023 – Aug 2023

- Streamlined IT department processes, optimizing workflows to reduce turnover time and increase ticket processing efficiency.
- Diagnosed and resolved networking, hardware, and security system issues for a user base of 30,000, ensuring minimal service disruptions and maintaining system integrity.

Assurant | IT Intern

Jul 2025 – Current

- Developed a CI/CD pipeline using GitHub Actions to automate deployment and testing for custom connectors integrated into the Lumos application, improving reliability and reducing manual setup time.
- Designed a Power Automate workflow leveraging prompt engineering and call transcript analysis to auto-generate Epics, Features, and PBIs with detailed synopses, acceptance criteria, and effort estimations, streamlining backlog creation for development teams.