Justinas Tomas Janovskis

Software Engineer | Full Stack Developer | AI + Embedded Systems Enthusiast

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Portfolio: https://justinasjanovskis.github.io/Portfolio/

Recent Computer Science graduate (4.0 GPA) with hands-on experience in full-stack development, machine learning, and embedded systems. Skilled in socket programming, debugging, and building scalable applications. Eager to apply technical expertise in a computer science position

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SKILLS

Languages: Java, C++, Python, C, JavaScript, SQL, Kotlin, Assembly
Frameworks/Tools: React, FastAPI, Firebase, PyTorch, TensorFlow, Android SDK, Mbed OS, Git, Docker
Libraries: scikit-learn, SQLAlchemy, bcrypt, Pillow, NumPy, OpenCV, Keras
Platforms: AWS EC2, Firebase, MongoDB, Hostinger, CSUSM HPC, Google Colab, Figma, Wireshark

PROJECTS

ApprAIse – Senior Capstone Project
Tools: Python, FastAPI, React, Qualcomm AI Hub, HTML/CSS, Figma

- Collaborated with a Qualcomm mentor to design a web application for benchmarking image classification models
- Implemented real-time inference features and an interactive leaderboard with image upload capability
- Presented the application to 70+ attendees at Qualcomm headquarters

Fire & Smoke Detection with YOLO Models
Tools: PyTorch, YOLOv8/v12, Roboflow

- Fine-tuned deep learning models for object detection in emergency response contexts
- Applied transfer learning and evaluated model accuracy, reliability, and latency tradeoffs

AI Security – Jailbreaking DeepSeek
Tools: DeepSeek, Prompt Engineering

- Conducted adversarial testing against LLM content filters using encoding and injection techniques
- Proposed mitigation strategies based on experimental prompt behavior analysis

Pomodoro Embedded Timer System
Tools: C++, Arduino, OLED displays, LEDs, Buzzer

- Developed a physical timer device with real-time adjustable work/break intervals
- Integrated user feedback via multi-display interface and compact embedded system
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EXPERIENCE

Mathematics Tutor
Rancho Buena Vista High School November 2020 – March 2021

- Tutored 5+ students weekly, explaining complex math concepts and assisting with homework from algebra through calculus.
- Built students' confidence by working through math concepts individually and through positive reinforcement techniques.

CSUSM ACM Hackathon Participant
California State University San Marcos Spring 2025

- Collaborated with a team to solve algorithmic challenges of varying difficulty under time constraints.
- Strengthened skills in teamwork, coding under pressure, and developing creative solutions.

EDUCATION

California State University - San Marcos, CA May 2025
Computer Science, B.S.
GPA 4.0

Relevant Coursework: Operating Systems, Computer Networks, AI & Machine Learning, Software Engineering, Databases, Data Structures

HONORS & AWARDS

- **Summa Cum Laude** - Top academic honors for 4.0 GPA
- **Dean's List** - All Semesters (2021–2025)
- **Qualcomm Showcase Presenter** - Selected to present senior capstone project to 70+ engineers