

Arjan Singh Ellingson

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EDUCATION

B.S. Software Engineering

2024–2027

California Polytechnic State University, San Luis Obispo

GPA: 3.57/4.00

- Honors Program Student, Dean's List (x5), President's List Recipient, 3 Year Graduation Timeline
- Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming, Software Engineering I & II, Systems Programming, Financial Decision Making, Ethics, Science, and Tech

WORK EXPERIENCE

Redwire Production Engineering Intern • San Luis Obispo, CA

June 2026 - Present

- Using Claude Code AI to create a Kanban-style board module in Odoo that integrates existing purchase order data, replacing a manual whiteboard tracker used by 200+ individuals and eliminating redundant tracking workflows.
- Created a magnetometer testing cage for micro circuit board calibration of onboard circuitry.
- Implementing a 5S sorting and organization system for the Production Engineering 3D printing station, including setup of Voron Tap and a custom TurtleBox MMS.

Kontinua Foundation Content Writer • Full Time / Freelance • Remote

June 2025 - Present

- Developed and revised open-source STEM educational resources under Georgia Tech / MIT Professor Aaron Hillegass, including quizzes, textbook chapters, and supplementary assessments aligned with Bloom's Taxonomy.
- Built Python automation to validate objectives, detect prerequisite gaps and duplicates, generate draft quiz PDFs, and support deployment of 36 public workbook PDFs.

Code Ninjas Lead Sensei / Mentor • Part Time • Chanhassen, MN

May 2021 - Sept 2024

PROJECTS AND LEADERSHIP EXPERIENCE

Software Engineering I & II Project (CSC 308 & CSC 309)

Jan 2026 - Jun 2026

Worked in a team of 5 to design, develop, and deploy a roommate management application; applied SDLC with Agile sprint planning/reviews and managed GitHub workflows (branching, PRs, sprint boards). [Github Repository](#).

Cal Poly Combat Robotics Club (CPCRC)

Jan 2025 - Mar 2026

As co-lead of CPCRC, led 20+ students in designing 150g combat robots; scaling to 150g and 1lb builds for multiple competitions (e.g., SCAR), representing Cal Poly statewide.

SKILLS

Programming Languages

Java, Python, L^AT_EX, SQL, C, C++, Basic JS, React and MongoDB

AI Tools

Claude Code and Terminal AI, ChatGPT and Codex, GitHub Copilot

PKM Software

Obsidian, Git, Kanban Workflow, Visual Studio Code, GitHub

CAD & 3D Printing

Fusion 360, SolidWorks, 3D printing slicers (Bambu Studio, Orca Slicer, PrusaSlicer, Luban)