

Arjan Singh Ellingson

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EDUCATION

2024 - 2027 B.S. Software Engineering **California Polytechnic State University, San Luis Obispo**

- GPA: 3.57/4.00
- Honors Program Student, Dean's List (x3), President's List Recipient
- Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming, Software Engineering, Systems Programming, Financial Decision Making, Ethics, Science, and Tech

WORK EXPERIENCE

Intern for the Kontinua Foundation • Full Time / Freelance • Remote June 2025 - present

- Worked under direct supervision of Georgia Tech Professor Aaron Hillegass, developing quizzes and assessments for the Kontinua Foundation's open-source educational resources.
- Produced quizzes aligning with Bloom's Taxonomy, targeting levels from recall to higher-order creation.
- Focused quiz questions to measure prerequisite conformity, progression, and alignment with learning objectives.
- Created and formatted assessments for high school students using LaTeX, ensuring precision and consistency.
- Edited and revised textbook chapters, contributing to the instructional quality of published educational resources.
- Wrote Python scripts to parse JSON files, detect prerequisite gaps and duplicate objectives, and support automated content validation, as well as create draft chapter quiz PDFs.
- Automated the compilation of LaTeX source files into 36 PDF workbooks using Python scripts, enabling efficient public distribution of draft resources.

Lead Sensei for Code Ninjas • Part Time • Chanhassen, MN May 2021 - Sept 2024

Instructed 200+ students at a Black Belt Certified Center; connected personally with students while teaching in-depth STEM coding and programming game development concepts in Scratch, JavaScript, and C++.

LEADERSHIP EXPERIENCE

Cal Poly Combat Robotics Club (CPCPC) Jan 2025 - Present

Our mission is to promote and advance the field of combat robotics through in-club competitions, workshops, and hands-on projects. We design and build 150g individual robots for internal competitions and collaborate on 1lb team robots to compete in regional events hosted by organizations such as Southern California Attack Robotics (SCAR). We also represent Cal Poly at combat robotics competitions across California.

SKILLS

Programming Languages	Java, Python, LaTeX, SQL, C, C++, Basic JS
PKM Software	Obsidian, Git, Kanban Workflow, Visual Studio Code, GitHub
3D Modeling and Printing	Fusion360, Solidworks 2022, Bambu Studio, Orca Slicer, Prusa Slicer

Last updated: October 8, 2025