Thomas Dinh Le

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EDUCATION

California Polytechnic State University — San Luis Obispo, CA
Bachelor of Science in Computer Science — *Sept. 2022 - Present*

Relevant Coursework:

CSC 123 - Introduction to Computing | CSC 101 - Fundamentals of Computer Science

CSC 202 - Data Structures | CSC 203 - Proj-Based Object Oriented Prog and Design

CSC 248 - Discrete Structures | CSC 349 - Design and Analysis of Algorithm

CSC 357 - Systems Programming | CSC 225 - Intro to Computer Organization

Covina High School — Covina, CA
High School Diploma — *Aug. 2018 - June 2022*

Relevant Coursework:

Intro To Engineering Design | Principles Of Engineering

Robotics | Engineering Design Development

AP Computer Science

PROJECTS

Software Engineering: Web Development — Aug. 2023 – Present
California Polytechnic Statue University — *Covina - San Luis Obispo, CA*

- Gained proficiency in web development technologies such as HTML, CSS, and React
- Developed responsive websites, applying front-end frameworks and design principles
- Strengthened skills in creating user-friendly interfaces and maintaining clean, efficient code

Project-Based Object-Oriented Programming and Design | *Java* — Aug. 2023 – Dec. 2023
California Polytechnic State University — *San Luis Obispo, CA*

- Designed and developed an open-world 2D video game using Java, applying advanced object-oriented principles
- Built a scalable, modular codebase focused on flexibility, clean code, and future feature integration
- Enhanced teamwork and project organization skills through real-world software design applications

CSC 101 Final Project | *Java, Adafruit* — Aug. 2022 – Dec.2022
California Polytechnic State University — *San Luis Obispo, CA*

- Developed a sensor-based "Table Check-In" system for libraries, enhancing user convenience
- Enhanced the Adafruit sensor library by optimizing code and implementing advanced sensor fusion techniques
- Efficiently collaborated in a multidisciplinary team to apply Adafruit sensor technology in practical scenarios

Senior Project: Innovative Waste Management Solution — Aug. 2021 – Jun. 2022
Covina High School — *Covina, CA*

- Successfully designed and developed an innovative tool aimed at expediting trash collection processes
- Committed to environmental stewardship through active contributions to waste reduction in the school community
- The project's success demonstrated a passion for addressing real-world issues innovatively and efficiently

TECHNICAL SKILLS

Languages: Python, Java, React, Node.js, CSS, JavaScript, C-Language, HTML, Assembly, Machine Coding
Developer Tools: Visual Studio Code, Git, Pycharm, Sublime Text, IntelliJ, LC3 Tools