

# Conner Ngadisastra

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## EDUCATION

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### Bachelor of Science in Computer Science

Seattle Pacific University

Expected Jun 2027

Seattle, WA

- Relevant Coursework: *Data Structures and Algorithms, Statistical Modeling, Discrete Math, Linear Algebra*
- GPA: 3.85/4.00

## EXPERIENCE

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### Computer Science Learning Assistant

Seattle Pacific University

Oct 2025 – Present

Seattle, WA

- Supported **25+ students** in developing and debugging programming projects in **C++/Python**, emphasizing clean code practices and algorithmic efficiency
- Provided **one-on-one mentorship** for foundational computer science concepts including data structures, algorithms, and object-oriented programming
- Collaborated with **2 course instructors** and **20+ learning assistants** to ensure teaching procedures and tutoring content aligned with course learning objectives

### Software Engineer Fellow

Headstarter

Jul 2024 – Sep 2024

Remote

- Built and deployed **4 AI-based web applications** leveraging **OpenAI, React.js, Node.js, Next.js**, and **Firebase**
- Improved productivity across multiple academic and daily-use scenarios by deploying **4 AI-driven applications** focused on task efficiency and user support
- Practiced **agile principles** including sprint planning, stand-ups, and discussions in a **team of 3 developers**

## PROJECTS

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### QuestEats: Gamified Restaurant Discovery Platform | *Express.js, JavaScript, React.js*

- Built a frontend in **React** for a gamified restaurant discovery platform using real-time **Yelp Fusion API** data
- Implemented a **quest-driven discovery component** that dynamically renders **multiple Yelp-sourced restaurant options per quest**

### Data Drive: Fuel Economy Forecasting | *Data Transformation, Predictive Modeling, R Studio*

- Developed a **multiple regression model** achieving **83% accuracy** in predicting vehicle fuel efficiency
- Applied **4+ variable selection techniques** to identify optimal predictors for the machine learning model
- Evaluated effectiveness of **10 model iterations** through residual analysis, ANOVA F-tests, and Wald Z-tests

### Roomventory: Group Inventory Tracker | *JavaScript, Next.js, React.js, Firebase, Material-UI*

- Enabled **shared, real-time tracking** of inventory supplies for group households and events through a deployed **Next.js web application**
- Designed an intuitive **React** interface that supports quick item updates and clear inventory visibility

### LightCard: AI-Powered Flashcards | *JavaScript, Next.js, React.js, Material-UI, OpenAI GPT-4o*

- Developed an **AI-powered** web application that **automates fast, on-demand creation** of flashcard study sets
- Improved **user focus and engagement** through a high-contrast, visually distinctive **React UI**

## TECHNICAL SKILLS

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**Languages:** C++, HTML/CSS, Java, JavaScript, Python, R, SQL

**Libraries & Frameworks:** Express.js, Flask, Material-UI, Next.js, Node.js, Pandas, React.js, Scikit-learn

**Certifications:** Microsoft Office Specialist: Excel Associate (Office 2019)