Conner Ngadisastra

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EDUCATION

Bachelor of Science in Computer Science **June 2027**
Seattle Pacific University Seattle, WA

EXPERIENCE

Computer Science Learning Assistant **Oct 2025 – Present**
Seattle Pacific University Seattle, WA

- Supported first- and second-year students in developing and debugging programming projects in C++ and Python, emphasizing clean code practices and algorithmic efficiency
- Guided students through core computer science concepts including data structures, algorithm design, object-oriented programming, and problem-solving logic
- Collaborated with course instructors to ensure alignment with learning objectives

Software Engineer Fellow **Jul 2024 – Sep 2024**
Headstarter Long Island City, NY (Remote)

- Built and deployed 5 AI projects in 5 weeks leveraging technologies like OpenAI, React.js, Node.js, and Next.js
- Collaborated with a 3-person team to deploy Roomventory, a group inventory-tracking web application
- Gained hands-on software development experience, significantly expanding my technical skill set

PROJECTS

MAT3333 Final Project | Data Transformation, R Studio, Regression Modeling **May 2024**

- Developed a regression model achieving an adjusted R-squared value of 0.83 to predict vehicle fuel efficiency
- Applied variable selection techniques (backward, forward, stepwise, and best subsets) using adjusted R-squared and Mallow's Cp to identify optimal predictors for the model
- Evaluated effectiveness of model iterations through residual analysis, ANOVA F-tests, and Wald Z-tests

Roomventory | Firebase, Material-UI, Next.js, React.js **Sep 2024**

- Deployed a collective inventory-tracking Next.js web application that allows users to easily track and coordinate supplies for homes, events, and more
- Served as the project's front-end developer and UI designer, leveraging Material-UI to build a user-friendly interface that emphasizes functionality and accessibility
- Collaborated with the back-end developer to streamline error resolution across the client-server interface

LightCard | Material-UI, Next.js, OpenAI GPT-4o, React.js **Aug 2024**

- Spearheaded the development of a collaborative project with two SWE fellows to build an OpenAI-powered application that automates the generation of flashcard study sets
- Engineered a vibrant user interface using React and Material-UI, incorporating a neon-inspired theme to enhance user engagement

TECHNICAL SKILLS

Languages: C++, Go, HTML/CSS, Java, JavaScript, Prolog, Python, R, Scheme, SQL
Libraries & Frameworks: Flask, Material-UI, Matplotlib, Next.js, Node.js, NumPy, Pandas, React.js, Scikit-learn
Developer Tools: C-Lion, Docker, Eclipse, Firebase, Git, R Studio, Visual Studio Code
Certifications: Google AI Essentials, Microsoft Office Specialist: Excel Associate (Office 2019)