







Daniel Choy

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 <https://danielchoy17.github.io/personal-portfolio/> |  <https://github.com/DanielChoy17> |  <https://www.linkedin.com/in/daniel-choy-2705501b5/>

Education

University of California, Santa Cruz

B.S. in Computer Science, GPA: 3.76, Dean's Honors List

Relevant Coursework:

Artificial Intelligence | Applied Machine Learning | Database Systems | Data Structures & Algorithms | Analysis of Algorithms | Computer Systems Design

Santa Cruz, CA

Sep 2020 - Sep 2023

Certifications

- **Meta Back-End Developer Professional Certificate** (In Progress)
- **CI/CD with Jenkins using Pipelines and Docker - Udemy Certificate** (May 2024)
- **Generative AI with Large Language Models (LLMs) - AWS & DeepLearning.AI Certificate** (Aug 2024)
- **AWS Certified Developer - Associate** (Nov 2023)
- **AWS Certified Cloud Practitioner** (Sept 2023)

Experience

Atlas Technical Consultants

Software Engineer 1

- Wrote code for both front-end and back-end (full-stack developer role).
- Optimized applications for security, performance, and operation on various devices.
- Designed and implemented data storage solutions while ensuring data integrity and security.

Sacramento, CA

Dec 2024 - Present

The Princeton Review's Tutor.com

Python and C++ Tutor (Part-time)

Remote

Oct 2023 - Present

Nozomi Networks

Apps Engineer Intern

- Used ARGOS Labs' Robotic Process Automation (RPA) to create BOTs that automate HR and IT manual processes.
- Assisted with data mapping between Greenhouse Recruiting, Greenhouse Onboarding, and BambooHR to provide developers with the specs needed to define their custom integration flows for the recruit-to-hire business process.
- Deployed a new Security Awareness Training Course for the company in Skilljar (LMS) to replace the one in Advisera.
 - o Resulted in the company's training completion total to increase by 25% in order to reach compliance goals

San Francisco, CA

July 2022 - Nov 2022

UCSC Jack Baskin Engineering

Data Structures and Algorithms Tutor (Contract)

Santa Cruz, CA

Mar 2022 - June 2022

Nozomi Networks

Software Engineer/IT Ops Intern

- Developed workflows in BetterCloud to automate the account provisioning/deprovisioning process.
 - o Used JavaScript and APIs to create Custom Integrations for my workflows
- Helped with the On-boarding and Off-boarding of employees.

San Francisco, CA

July 2021 - Sep 2021

Projects

Machine Learning Projects | *Python - Pandas, NumPy, Pytorch, Scikit-learn, Transformers, Evaluate, Matplotlib*

- Telecom Customer Churn Prediction (Logistic Regression | Neural Network w/ 6 Hidden Units | Neural Network w/ 40 Hidden Units)
- Classifying Images into 10 Different Classes (4 Different Convolutional Neural Network Models - Best Accuracy: 70%)
- Yelp Review Sentiment Analysis and Star Rating Prediction (Logistic Regression Model | BERT Pre-Trained Transformer Model)
- Stock Price Prediction (Long Short-Term Memory Recurrent Neural Network)
- Generative AI Dialogue Summarization (FLAN-T5 | PPO | PEFT | Meta AI's RoBERTa-based Hate Speech Model | ROUGE Metrics)

Multi-Threaded HTTP Server | *C Programming*

- Developed an HTTP server that handles client requests (GET, PUT, and a custom APPEND method) and generates responses. Utilized multi-threading for efficient parallel processing and managed connections on a specific port using a socket.

Gym-Essentials Mobile App | *Expo Framework, Node.js, React Native, Firebase, Figma, Jira*

- Developed an all-in-one gym app with a personal records tracker, workouts tracker, motivational notification feature to encourage regular gym visits, and calculators for BMI, daily caloric intake, and daily protein intake.

Skills

Programming Languages: Python, C, C++, Go, JavaScript, SQL, HTML, CSS, Java, MIPS Assembly

Development Tools/Skills: Visual Studio Code, Git, GitHub, AWS Lambda, Postman, SonarQube, Virtualbox, Pytest (Unit Testing), GDB Debugger, Agile Scrum Methodology, Test-Driven Development

Languages: English (Native), Spanish (Fluent)