

Theodor Har

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Education

University of California, Irvine – GPA 3.84

December 2022

Bachelor of Science in Computer Science

- Relevant Courses: Python, C++, MIPS Assembly, Multivariable Calculus, Boolean Algebra, Linear Algebra, Data Structure Implementation and Analysis, Statistics, Databases in SQL, Graphical Model Algorithms, Machine Learning, Project in ML

Skills

- Coding Languages: Python, Java, C++
- Professional working experience with: Linux, AWS suite, Office 365

Projects

Amazon Internship Project 2022: AEGS Reliable Events

Ensuring workflow reliability in an existing Amazon Alexa API

- Skills developed: Java, Linux, Large scale end-to-end development, Automated unit and integration testing, AWS
- Created 1 AWS Step Function that orchestrates 2 AWS Lambda functions to ensure that events are consistently being published to AWS EventBridge after a user invokes my team's API.
- Created automated unit tests and integration tests to verify functionality

Personal Project: Panoply

A content-based recommendation system that recommends recipes using self-mined and self-processed data

- Skills developed: Tensorflow, Data cleaning, Vector embeddings, Pandas
- Languages: Python, React, Flask

Technical Experience

Amazon Inc, Sunnyvale CA

Software Development Engineer Intern

June 2022 – September 2022

- Implemented, unit tested, and end-to-end tested live production code for Amazon Alexa
- Used AWS Step Functions to orchestrate code using the serverless design paradigm with AWS Lambda and AWS SMS, and deployed with AWS Cloudformation

Information and Computer Science Department, UC Irvine

Research Intern

January 2020 – April 2021

- Screened and managed data collection interns
- Designed and piloted 4 interview protocols that evaluate argumentative reasoning
- Conducted literature reviews on dozens of similar works

Honors and Scholarships

- Eagle Scout: Boy Scout Troop 14, 2017
 - Utilized CAD software to design and build 3 custom-shape redwood planter boxes
- Scholarships: Nordson BUILDS four-time recipient; Daughters of the American Revolution; Pashby Family Foundation