

Natalie Pham

Computer Science and Engineering @ USC

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RELATED EXPERIENCE

Software Engineering Intern Intel Corporation

01/2021 - 05/2021

Achievements/Tasks

- Using UNIX System administration, Windows Server, and Client system administration to provide support for infrastructure software and security team

Computer and Systems Engineering Intern NASA | Marshall Space Flight Center

08/2020 - 12/2020

Achievements/Tasks

- Assist with mapping technical documentations for the architectural framework of a new aircraft engine project.
- Validate Model-Based Systems Engineering Pilot models to accurately represent applications with H2ST project.

Lead Coding Instructor Code Ninjas, Inc.

09/2019 - 04/2020

Cupertino, CA

Achievements/Tasks

- Teach students ages 4-14 to learn how to code and build their own games using Python, Scratch, and Minecraft
- Help create lesson plans to enhance students' learning experience and increase students' interest in programming

EDUCATION

Bachelor's in Computer Science University of Southern California

08/2020 - 05/2023

GPA: 4.0/4.0, Dean's List

Relevant Courses

- Algorithms Theory
- Software Development
- Data Structures
- Computer Systems

PERSONAL PROJECTS

Machine Learning: Deploying a Sentiment Analysis Model

- Construct a recurrent neural network for the purpose of determining the sentiment of movie reviews using IMDB dataset, Amazon SageMaker ML, PyTorch ML library, and Python to create scripts for model analysis.

Machine Learning: Plagiarism Detector

- Utilize Amazon SageMaker and Python to build a plagiarism detector that examines a text/word file and performs binary classification to label the file as plagiarized or not.

Anagram Starter

- Learned Android Studio to build a Java application through the Google Applied CS Skills Curriculum

TECHNICAL SKILLS

Languages

Python, C++, Java, JavaScript, C#, HTML5, CSS3, x86, Swift

Tools / Databases

Git, Eclipse, Xcode, VS Code, Visual Studio, Atom, MySQL, SQL Server, PostgreSQL

Operating Systems / Software

macOS, Windows 10, G Suite, MS Suite, Adobe Creative Suite

Cloud Platforms / Libraries / Frameworks

React, Node.js, Android Studio, GCP, AWS, Amazon SageMaker, Unity, NumPy, PyTorch

SOFT SKILLS

Communication

Critical Thinking

Teamwork

Problem Solving

Self Management

Flexibility

CERTIFICATES

Coursera: AWS Fundamentals: Cloud Native

Coursera: Google Cloud Platform Core Infrastructure

VOLUNTEER EXPERIENCE

Sponsorship Coordinator Superposition III

Achievements

- Successfully organized fundraising efforts for sponsorships from Facebook, Amazon, Pixar, EA, and other tech companies in the Bay Area for an all-girl hackathon event.

Public Relations / Mentor HAX

Achievements

- Organized public relations effort for HAX - a nonprofit that aims to globalize computer science education for all by hosting hackathons as a way to provide equal opportunities for women and disadvantaged minorities.

INTERESTS

AI / ML

AR / VR

Robotics / Embedded Systems

Cloud Computing / IoT

Web / Mobile Development