

Alex Jakhang Cheung

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EDUCATION

Carnegie Mellon University Pittsburgh, PA

May 2027

Bachelor of Science, Information Systems

GPA: 4.00/4.00

Selected Coursework: *Principles of Functional Programming, *Principles of Imperative Computation,
*The Information Systems Milieux, Mobile Web Design & Development, Concepts of Mathematics

High Technology High School Lincroft, NJ

June 2023

High School Diploma

GPA: 98.27/100.00

Selected Coursework: AP Computer Science A, Multivariable Calculus, AP Calculus BC, AP Statistics

SKILLS

Languages: Python, Java, C, C++, Javascript, Typescript, HTML, CSS, SQL, CQL, SML

Skills: Machine Learning (Tensorflow, Pytorch, Scikit-learn, NumPy, Pandas), Linux, Github,
Algorithm Development, Object Oriented Design, Figma, CAD, 3D Printing, Photoshop, Blender

EXPERIENCE

Multum Delivery and Rideshare Application Startup

September 2023 - December 2023

App/Website Development and Design Intern

- Co-led a team of seven to design and develop the website utilizing Figma and React, strategically promoting the app in anticipation of the startup's launch

EazyML Automated Machine Learning Platform

September 2022 - August 2023

Intern

- Designed website homepage in React which achieved 6000+ visits per month
- Created the "Book a Demo" feature implemented in React which boosted leads by over 10%
- Recorded and edited several marketing videos with 1000+ views total showing the development of several ML models

PROJECTS

SpeakUP

February 2023

- Utilized audio processing and speech-to-text ML models along with MongoDB and a Flask server to create a React web application that serves as an AI powered public speaking assistant

Examingo

August 2023 - January 2024

- Employing PyTorch transfer learning techniques, OpenAI APIs, embeddings, AstraDB vector search, web scraping techniques, React, Typescript, AWS (Lambda, EC2), and MongoDB to create a chrome extension that answers and generates questions from study material using ML-NLP

RollRollSlide

January 2023 - June 2023

- Coordinated a cross-functional team as Team Leader and Lead Developer in the creation of a slippery surface detection device utilizing Arduino microcontrollers and 3D printing technology

Brothers Construction App

January 2021 - March 2021

- Led a team of three to program a React Native app connected to a NoSQL Firebase database for a construction company to manage orders 50% faster and increase online presence

SELECTED AWARDS

Amazon Web Services (AWS) Certified Cloud Practitioner

September 2023

USA Computing Olympiad (USACO) Gold Division

March 2022

American Computer Science League Intermediate Division Finalist

May 2021