

Kelly Truong

truong.kelly17@gmail.com | 832.602.9847

EDUCATION

COLUMBIA UNIVERSITY

BS IN COMPUTER SCIENCE

Aug 2023 - May 2027

School of Engineering and Science
Gates, Dell, Questbridge Scholar

LINKS

LinkedIn:

www.linkedin.com/in/kellybtruong

GitHub:

www.github.com/superrrk

Personal Website:

www.kellytruong.netlify.app

COURSEWORK

Fundamentals of Computer Systems

Advanced Programming

Data Structures

Discrete Mathematics

Multivariable Calculus

Introduction to Java

Introduction to Computing

SKILLS

PROGRAMMING

Proficient:

Java • Python • C

Competent:

JavaScript

Familiar:

Swift • SQL

TECHNOLOGIES

Libraries & Frameworks:

React • Flask

Tools:

Git • GitHub

Visual Studio Code • XCode

Netlify • Heroku

Miscellaneous:

SCSS • JSON

Chart.js • Select2

EXPERIENCE

BP | QUANTUM COMPUTING INTERN

May 2024 - Aug 2024

- Optimized Mixed Integer Programming (MIP) problems by benchmarking quantum, hybrid, and classical solvers, reducing constraint violations to 0% in 95% of test cases while collaborating with a quantum start-up
- Deployed Python and QUBO transformation algorithms to visualize datasets that compare accuracy and cost
- Presented to a team of 40+ exemplifying potential business value with Quantum technology and substantiating investments into nascent technology to futureproof BP

ACCENTURE | CONSULTANT INTERN

May 2022 - Aug 2022

- Produced an MVP (Minimum Viable Product) and a pitch deck addressing efficient and active studying methods within an all-in-one hub-style app as a personal project
- Trained professional storytelling, data analysis, and branding skills to present a group project to 200+ industry professionals within the Accenture network

PROJECTS

PORTFOLIO OPTIMIZER

Full-Stack interactive portfolio optimizer based on the Markowitz model

- Built a full-stack portfolio optimization app using Python, Flask and Chart.js, enabling users to visualize the efficient frontier and dynamically adjust risk exposure with interactive stock selection
- Programmed backend logic to calculate expected return, portfolio variance, and Sharpe ratio using NumPy, enabling robust portfolio performance evaluation

FAKE IMAGE DETECTOR

Neural network for classifying AI-generated vs. real human faces

- Built and trained a custom CNN achieving 87% accuracy in classifying AI-generated vs real faces; visualized model attention with saliency maps using PyTorch
- Deployed as a full-stack Flask web app to allow users to upload images and receive real-time predictions with confidence scores

PERSONAL WEBSITE

React website showcasing personal projects, resume, and contact form

- Designed and deployed a React.js based website using Netlify to showcase personal software projects, technical skills, and professional experience.
- Customized styling with SCSS to create an intuitive and professional user experience with animations across components.

ACTIVITIES

Rewriting the Code - Member

Girls Who Code - Member

Kode with Klossy - Member

CU Jumpstarting Aspiring Developers and Entrepreneurs (JADE) - Member