Kelly Truong

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EDUCATION

Columbia University, The Fu Foundation School of Engineering and Applied Science   New York, NY
(BS), Computer Science   Expected, May 2027
Relevant Coursework: Linear Algebra & Probability, Fundamentals of Computer Systems, Advanced Programming, Data Structures, Intro to Java, Python for Engineers, Discrete Math
Honors/Scholarships: Dean's List, Gates, Dell, Questbridge Scholar

PROFESSIONAL EXPERIENCE

BP - British Petroleum Company, Houston, TX   May - September 2024
Quantum Computing Intern
- 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

The Pangea Network - Young Women's Leadership Conference, Houston, TX   May - August 2024
Non-Profit Intern
- Developed and facilitated the week-long leadership conference schedule for **70** young high school students from underrepresented communities and refugees from Afghanistan while offering mentorship year-long

DitecT Lab at Columbia University's Civil Engineering Department, New York, NY   April - August 2024
Software Developer/Research Assistant
- Developing an IOS application to increase pedestrian safety by alerting the user of incoming traffic via an Apple Watch application in **XCode**, **React.js,** and **Swift** alongside the **MQTT Protocol**

Accenture, Houston, TX   June - August 2022
Consultant Intern
- 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

EXTRACURRICULAR

Columbia Jumpstarting Aspiring Developers and Entrepreneurs (JADE), New York, NY   January 2024
Participant
- Learned Web Development with **React.js, Vite, HTML, CSS, JavaScript,** and **Github** and launched a website
- Selected as one of **20** students to network with professionals from various organizations (venture capital firms, startups, non-profits, product managers, and software engineers)

Kode with Klossy Summer Program, Houston, TX   June 2022
Developer
- Developed IOS apps in **Swift** using **XCode** and presented a final project based on an original tracking app idea addressing privacy concerns with data collection to **40+** peers, instructors, and family
- Prototyped using **Figma** to plan and showcase the app's UI/UX interface and **Github** to source control

SKILLS & AFFILIATIONS

Skills: Java (intermediate), Python (intermediate), C (intermediate), Swift (beginner), React.js, and JavaScript, Google Suite, Adobe Suite (Photoshop, Premiere Pro, After Effects), Figma, Canva, Github
Languages: English (Fluent), Vietnamese (Proficient), Korean (Beginner)
Affiliations: Girls Who Code, Rewriting the Code, Columbia Esports Marketing Director, CU WiCS, VSA