

MANH KHANG NGUYEN

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EDUCATION

University of California, Berkeley

Bachelor of Science in Electrical Engineering and Computer Sciences

Expected: Dec. 2023

GPA 3.61

- Relevant Coursework: Data Structures, Computer Graphics, Computer Security, XR Development, Internet Architecture and Protocols, Machine Structures, Circuits, Software Engineering, Data Engineering
- Activities: Engineering Scholars as Engaged Scholars

Santa Ana College

Associate Degrees of Science in Computer Science, Mathematics, and Physics

Jun. 2021

GPA 4.00

- Activities: MESA Program, Honors Program

EXPERIENCE

Brenner Laboratory: Computational Genomics Research Group

Assistant System Administrator

Mar. 2022 - Present

- Assist with research, design, prototyping, and implementation of new network and server systems
- Ensure high performance and availability of upgraded services
- Provide support for lab members desktop and scientific computing needs

Human Interest

Software Engineering Intern

Jun. 2022 - Aug. 2022

- Developed an internal manual transactions tool to help accountants access and update cashflows databases
- Validated transaction data and provided user-friendly error messages
- Worked with Plan Operations Engineering and assisted Product Support Engineering Teams

Physics Experiments Accessed Remotely Laboratory (PEARL) Project

Undergraduate Research Assistant

Feb. 2022 - May 2022

- Researched under Dr. Amin Jazaeri to bring experimental physics remotely
- Implemented website displays real-time interaction with laboratory equipment on campus
- Analyzed hardware control units to perform commands received from cloud server

California State University, Fullerton

Undergraduate Research Assistant

Jun. 2021 - Aug. 2021

- Worked under Dr. Yu Bai's Computer Engineering - Machine Learning lab
- Conducted research on object detection using YOLOv5 with microcontrollers
- Collaborated with lab members to build self-driving vehicles

SKILLS

Languages

C, C++, C#, Java, Python, Javascript, Ruby, Go, HTML, CSS, SQLite, Scheme, \LaTeX

Tools

VS Code, XCode, Unity, IntelliJ, Visual Studio, Git, Retool, OpenGL, Photoshop

Communication

English, Vietnamese

PROJECTS

Autograder

Developed a user input program to grade multiple choice exams using C++

Calculator Sale

Designed a responsive website selling calculators using HTML and CSS