

Albert Nguyen

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EDUCATION

B.S.Human Biology, Minor in Computer Science

San Diego, CA | Jun 2025

UNIVERSITY OF CALIFORNIA, SAN DIEGO

GPA: 3.84 / 4.00

Coursework: Data Structures and Object-Oriented Design, Software Tools and Techniques Laboratory, Discrete Mathematics, Mathematics for Algorithms and Systems, Computer Organization and Systems Programming

SKILLS

Technologies: React • Git/Github • HTML/CSS • SQL •

Programming Languages: Python • Java • C • Assembly • Javascript •

Wet Lab: PCR • Western Blot • Elisa Immunoassays • Bacterial Transformation • RNA isolation • Tissue Culture •

PROJECTS

WEATHER APP

HTML, CSS, JAVASCRIPT

Developed a weather application that utilizes geolocation (via OpenWeatherMap API) to provide real-time weather information for the user's location.

WORK EXPERIENCE

UC SAN DIEGO | COMPUTER SCIENCE AND ENGINEERING TUTOR

San Diego, CA | Sep 2023 - Present

- Assisted in lectures, labs, review sessions, exam proctoring and grading for Python course at UCSD.
- Held office hours and aided with problem-solving.

AVIDITY | REGULATORY AFFAIRS INTERN

San Diego, CA | Jun 2023 - Aug 2023

- Conducted research on AI applications in biotech and pharmaceutical regulatory landscape.
- Evaluated AI tools for regulatory needs, emphasizing data privacy and security.

SAN DIEGO BIOMEDICAL RESEARCH INSTITUTE | LAB ASSISTANT

San Diego, CA | Jul 2022 - Jul 2023

- Performed ELISA Immunoassays, Western Blots, cell passaging and maintained mammalian cell lines.

UC SAN DIEGO | UNDERGRADUATE RESEARCHER

San Diego, CA | Jan 2022 - Jun 2023

- Conducted RNA isolation from placental tissue and placental explant culture for EV harvest.
- Conducted a comprehensive analysis of harvested placental EVs via quantitative attributes.

UC SAN DIEGO | LAB ASSISTANT

San Diego, CA | Sep 2021 - Jun 2022

- Conducted a wide range of in vivo and in vitro experiments to investigate the pathogenesis of Trichomoniasis and Giardia, gaining deep insights into parasitology at Eckmann lab.

ANTIBODY DESIGN LABS | INTERN

San Diego, CA | Jun 2021 - Sep 2021

- Spearheaded the execution of a diverse range of molecular biology assays: PCR amplification, bacteria transformation, PCR cleanup, colony screening, and utilization of UV spectrophotometry for DNA quantification.

PUBLICATION

- [*1] T. Tong, A. D'Addabbo, J. Xu, H. Chawla, **A.Nguyen**, P. Ochoa, M. Crispin, and J. M. Binley. Impact of stabilizing mutations on the antigenic profile and glycosylation of membrane-expressed hiv-1 envelope glycoprotein. PLOS Pathogens, August 7, 2023.