

Brian Nguyen

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EDUCATION

University of California, Davis | Davis, CA

Bachelor of Science in Computer Science

Coursework: Algorithm Design and Analysis, Software Development and Object-Oriented Programming, Data Structures and Programming, Operating Systems and System Programming

TECHNICAL SKILLS

- Languages: Familiar with C, C++, Prolog, Python, LaTeX, Java, Erlang, Haskell
- Worked with Active Directory Domain Services, Confluence, Windows OS, MacOS

Operating Systems and System Programming

ECS 150

January 2019 – March 2019

- Investigated basic concepts of operating systems including interprocess communication, memory space, and I/O systems
- Created and worked with examples of operating system tools such as system calls, threaded processes, file systems

Computer Architecture

ECS 154A, 154B

January 2018 – June 2018

- Analyzed multiprocessor CPU overview and design, including pipelining, memory caching, and parallelism
- Created projects in Logisim ranging from a single cycle CPU to a pipelined multi-cycle CPU with hazard handling

Digital Systems

EECS 180A

September 2017 – December 2017

- Examined digital system design from combinational logic to memory systems and algorithmic state machine designs
- Designed a project on an FPGA that displayed LEDs, rolled a random dice value, and saved values using Quartus

PROFESSIONAL EXPERIENCE

UC Davis Academic Information Systems - School of Medicine | Sacramento, CA

Computer Assistant Technician IV

May 2019 - March 2020

- Provided computer support for students in the School of Medicine and advanced troubleshooting services
- Assisted technicians with setup of new machines, diagnostics of system failures, end user assistance & training
- Maintenance of UC Davis Health department devices with routine replacements and operating system upgrades including Windows 7, Windows 10, and macOS

Target | Fremont, CA

Team Member

October 2016 - March 2017

- Ensured quality customer service, and performed 200+ transactions of purchases and returns daily
- Trained and supervised 20+ new employees during the orientation process

LEADERSHIP EXPERIENCE

UC Davis Men's Crew

4-Year Team Member

September 2014 – June 2018

Gear Manager/Haberdasher

September 2016 – June 2018

- Cooperated with executive council to determine working budget per year
- Coordinated with outside vendors to create personal team store for athletes, families, friends, and alumni