

MICHELLE HO TRAN

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EDUCATION

University of Colorado Boulder Class of 2022

Major: Computer Science (College of Engineering)

- Engineering Honors Program
- GPA: 3.98

Niwot High School Class of 2018

International Baccalaureate Diploma Graduate

- GPA: 4.00 (weighted: 4.43)

SKILLS

- Programming (from most to least proficiency): Python, C++, Go, HTML, JS, C, SQL, Swift
- Terminal/Bash (macOS/Ubuntu), Command Prompt (Windows)
- SCM (Git/Github/Gitea/Bitbucket)
- Communication
- Time management

PROFESSIONAL EXPERIENCE

Twilio Inc.

Software Engineering Intern

Denver, CO

May 2020-Aug 2020

- Worked alongside software engineers to improve billing and accounts backend systems
- Paginated an internal endpoint, setup metrics monitoring infrastructure, added status features to admin dashboard
- Used Go (language), AWS (DynamoDB), Kubernetes, Buildkite, MySQL, and Ruby on Rails for the above tasks

BOLD Student Success Center

Lead Tutor

Boulder, CO

Aug 2019-present

- Providing academic support for underrepresented students in engineering, mentoring new tutors, assisting Student Success Center Senior Professional with the tutor recruitment process
- Developed training modules to prepare new tutors for virtual tutoring during the coronavirus pandemic

FreeWave Technologies Inc.

System Test Engineering Intern

Boulder, CO

May 2019-Aug 2019

- Wrote Python scripts to automate testing on legacy and ZumLink radios
- Developed power stress and modbus serial tests for FGR radios and boot timing and parameter tests for ZumLinks
- Developed a tool that generates setting vector files using ACTS configurations for the DevOps team

CU Boulder Computer Science Department

Course Assistant for CSCI 1300: Starting Computing

Boulder, CO

Jan 2019-May 2019

- Answered student questions at recitations and hosted office hours
- Collaborated with instructors by reviewing course material and providing feedback prior to release

HONORS & AWARDS

- Lockheed Martin Merit Scholarship (2020)
- Rudolph and Helen Gagg Scholarship (2019, 2020)
- Quarton Fund Scholarship (2020)
- CU Boulder Sewell Esteemed Scholar (2018-present)
- Broadening Opportunity through Leadership and Diversity (BOLD) Center Scholar (2018-present)
- Hack CU 2019 Best UI/UX Award (Project details: devpost.com/software/firewall-fighter)

ACTIVITIES & LEADERSHIP

- Co-Founder, Boulder Blueprint (Fall 2020)
- Secretary, CU Women in Computing (Fall 2020)
- Co-Founder, Colorado COVID Food Relief (Summer 2020)
- Co-Captain, Buff VEX Robotics (Fall 2019-Spring 2020)
- Marketing & Equipment Manager, CU Cybersecurity Club (Fall 2018-Spring 2019)