

TU VU

NgocTu2811@berkeley.edu ♦ 408.623.4890 ♦ Permanent Resident

OBJECTIVE:

To be employed at an entry level position as an intern, co-op or process engineer

EDUCATION

University of California, Berkeley

Sep 2016

Bachelor of Science Chemical Engineering, Dean's Honor list, **GPA: 3.89**

Minor in Electrical Engineering and Computer Science

Relevant Coursework

Microelectronic Circuits (EE40), Data Structure and Algorithms (CS61B), Signals and Systems (EE20), Integrated Circuit Devices (EE130), Materials Science (E45), Mass Transport Chemical Reaction Engineering (CBE142), Process Control (CBE162), Unit Operations Laboratory (CBE 154)

SKILLS

- Computer: More than 2 years experience with MATLAB, Python, C++, and Microsoft Office
- Laboratory: NMR, IR, Gas Chromatography, Chemical Vapor Decomposition, Soldering, IC/PCB Designs
- Solid work ethic, fast learner, reliable, punctual, excellent teamwork, willing to work overtime
- Languages: fluent in Vietnamese; intermediate Japanese
- Interest: Soccer, Shark Tank, and Master Chef

RESEARCH AND PROFESSIONAL EXPERIENCE

Undergraduate researcher at Professor Junjiao Wu's Group

Jan 2015 – August 2015

- Vanadium dioxide (VO₂) nano-wires can be potentially used as ultra-fast optical switching device
- Collaborated with 2 graduate students to study the effect of temperature and mechanical bending on VO₂ nano-wires
- Determined the best type of wafer to maximize length of cantilever VO₂ nano-wires

Chemical Engineering Car- Battery team

Jan 2015 – April 2015

- Designed, prototyped, and optimized the battery packed to power Berkeley's car at intercollegiate competition
- Worked in team of 6 members to increased battery capacity by 40 %
- Used SolidWorks and 3D to design more environmental friendly and 60 % lighter than the old battery container

Intern, LED Sign Technician, Star Neon Sign, San Jose

Apr 2014 – Sep 2014

- Designed and installed LED and custom sign solutions based on customers specific needs, location and budget
- Guaranteed 100% on-time delivery and customers' satisfaction
- Managed receiving and releasing of mechanical parts and electrical components safety and

Instructional assistant and Senior Tutor, De Anza College

Sep 2012 – June 2014

- Trained 10-20 new tutors per quarter; 90% of trainees were rehired, 30% were promoted to senior tutor
- Developed lesson plans to teach Chemistry and Calculus to groups of 8-10 students in the MPS program

LEADERSHIP AND VOLUNTEER

- Tau beta Pi | Engineering Honor Society | Professional Development Officer
Hold weekly meeting for 50 members and invited recruiters from the top industry to the info-session
- Phi Theta Kappa | Vice President Leadership | Raised more than \$1000 in 2 days for Relay For Life 2014
- Alameda County Community Food Bank | Committed 40 hours volunteering service per year since 2014

HONORS & AWARDS

- APIASF/Sodexo Foundation and USA Funds Scholarship recipient 2013 and 2015
- Tony K. & Louisa Ling Scholarship recipient 2014
- Excellent Tutor certificate, Math Performance Success (MPS) programs 2013 and 2014
- Certificates of Safety Achievement presented by SChE and AIChE in June 2015