

Name

###-###-### | xxxxxx@Princeton.edu | 3088 Frist Center, Princeton NJ, 08544 Princeton, New Jersey

Career Objective

To encourage sustainable development by engineering accessible, cost-efficient, and reliable solutions.

Summary of Skills and Qualifications

- Hands-on experiences with excellent results on broad and in-depth engineering projects in summer internships.
- Demonstrated track record of strong leadership and communications skills from continual volunteer experiences.
- Outstanding ability to solve problems and to work with people to get projects completed successfully.
- Class Valedictorian and strong engineering academic records.

Education

Princeton University

B.S.F. Candidate (2018): Civil and Environmental Engineering; Certificate in Sustainable Energy

Cumulative GPA: 3.07

KIPP San Jose Collegiate; Awards and Honors: Valedictorian

Princeton, NJ

September 2014 – June 2018

San Jose, CA

August 2010 – June 2014

Work Experience

NRG Solutions

Summer Engineering and Operations Management Intern

Phnom Penh, Cambodia

June 2016 – August 2016

- Designed a cost-efficient 260W Solar Home System (SHS) kit with solar-powered water pump to provide access to electricity and water for rural Cambodian villagers and small business owners.
- Created approval forms for SHS to acquire required accreditation from the Netherlands Development Organization - Cambodian chapter in order for NRG Solutions products to be financed by microfinance institutions.
- Utilized Open Data Kit to create and analyze remote access surveys for solar initiative promotion events for 1500 people to efficiently collect sales data regarding potential customers in order to increase sales and create better sales strategies and product designs.
- Streamlined 4 different branch office inventory systems into one inventory system on Excel.

KIPP Heritage Academy

Summer Operations Management Intern

San Jose, CA

June 2015 – August 2015

- Updated and maintained school database in order to help staff communicate to more than 200 families for the upcoming school year.
- Facilitated professional development week for 20 staff members by redesigning classrooms and paperwork.
- Secured funding from local organizations to organize school events attended by 100 community members.

Engineers Without Borders Peru Chapter

Project Engineer

Princeton, NJ

September 2014 – July 2015

- Finalized diagrams of water filtration system based in Peru in order to provide clean drinking water for 21 houses.
- Secured a new site for a water filtration project for an additional rural Peruvian village.

Campus Activities & Leadership

CHASA Community House

Volunteer Tutor

Princeton, NJ

September 2015 - Present

- Tutor in all subjects and lead character and cultural lessons for 30 middle school students from local less-resourced schools 6 hours/week.

Matriculate

Volunteer Mentor

Princeton, NJ

March 2015 – Present

- Advise first generation, low-income high school seniors on researching colleges, applying to colleges, and choosing a college.
- All mentees now in four years college with one now attending Cal Poly San Luis Obispo under several scholarship grants.

Princeton Asian Association

Co-President

Princeton, NJ

September 2015 - Present

- Organize biweekly meetings to cook for 30 students to connect students to Asian culture through food and pop culture with \$100 budget.
- Work with Princeton Asian cultural groups to organize biannual food and cultural events for 400 students to connect students to Asian culture and social issues under the budget of \$450.

Princeton High School

Tutor

Princeton, NJ

September 2015 – June 2016

- Tutored high school students in calculus, statistics, and physics, and counseled students on applying to college 4 hours a week.
- Helped several students pass midterms and finals through homework aid and test corrections.

Skills & Interests

Computer: Matlab, Java programming, database maintenance, Microsoft Office

Skills: Laboratory experience and data analysis in chemistry and physics, event planning, fundraising, community outreach

Interests: Sustainable development, education access for underserved communities, book collecting, figure drawing, and astronomy