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OBJECTIVE

Hard-working college sophomore from a diverse background seeking to gain experience through an internship. By the time summer rolls around I will have finished classes that give me experience with design and fabrication, 3D CAD (SolidWorks) and modeling, and basic machining.

EDUCATION

California Institute of Technology (Caltech), Pasadena, CA, 91126
Bachelor of Science in Mechanical Engineering and Computer Science Minor
Current GPA: 3.0
Anticipated Graduation: June 2016
Relevant Coursework by end of 2013-2014 School Year:

- Me35abc – Statics and Dynamics
- Me18ab – Thermodynamics
- Me71 – Introduction to Engineering Design
- Me170 – Introduction to Mechanical Prototyping

EXPERIENCE

Computer Science Tutor, November 2013 –

- Tutor for the classes CS1, CS11(C), CS11(C++).
- Help students learn Python, C, and C++

Research in Efficiency and Versatility of Transmitting Information Through SMS, August 2013 –

- A subset of my summer research, I am trying to find the most efficient way possible to transmit small amounts of data when only cell phone networks are available.
- I am also improving the system I developed during the summer. It will soon be put to use in India.

SURF Fellowship Research, June 2013 – August 2013

- Research for Bill and Melinda Gates “Reinvent the Toilet challenge” on Caltech's behalf
- Developed and implemented a system to communicate with and receive information from Caltech's prototype over GSM(cellphone) networks.

Page House Athletics Manager, February 2012 –

- In charge of organizing, and encouraging athletic events and activities in my House (120 students).

ACTIVITIES AND AWARDS

– James J. Morgan SURF Fellow (awarded for research in sustainability)
– Engineering Without Borders (undergraduate club focused on solving issues in third world countries)
– Caltech NCAA DIII Soccer (two year Varsity)
– Competitive Badminton (Mixed Doubles District Champions, Scholar Athlete Award in high-school)

SKILLS

- Proficiency in Microsoft Word & Excel, Windows, Linux (Ubuntu), Mac OS
- Knowledge of Python, C, C++, VBScript
- Bilingual (English, Spanish), with experience in French. Plus experience with many cultures through travels.
- Leadership and Critical Thinking
- Ability to work with others, adaptive, eager to learn