Michael Lee

mlee16@hawk.iit.edu • (907) 229-2900 • https://github.com/sicueft
3440 S. Cottage Grove Ave. Apt. 209 • Chicago • Illinois • 60616

Summary

Entrepreneurial-minded problem solver. Lifelong learner. Avid student of computer and natural sciences. Sublime Text.

Education

Illinois Institute of Technology   Chicago, Illinois
Bachelor of Science in Physics   *Graduated, Spring 2015*
Heald Scholarship ∗ University Scholarship ∗ Dean's List ×3

Relevant coursework:
- Discrete Mathematics
- Linear Algebra
- Real Analysis
- Instrumentation Lab
- Computational Science (C)
- Computational Physics ($Python$)
- Web Application Development ($Ruby$)
- Advanced Physics Lab

Interprofessional Project   Chicago, Illinois
IPRO 343: Stationary Batteries for Load Shifting and Renewable Power Applications   *Spring 2012*
Worked in a small team in a class of ∼20 tackling the storage problem of renewable energy. Researched and analyzed electricity pricing data from ComEd for cost-benefit analysis of load shifting. Our team discovered that with current battery technology, taking into account capital costs and revenue from power arbitrage, it would take >10 years for a load shifting system to pay for itself.

Work Experience

Office of Resident and Greek Life, Illinois Institute of Technology   Chicago, Illinois
Conference Housing Assistant   *May 2012 − August 2012*
Worked with a team in organizing check-ins for conference guests and to ensure quality room conditions. Provided logistics and personal support for campus guests.

Chicago Public Schools   Chicago, Illinois
Program Instructor   *May 2012 − August 2012*
One of four program instructors that designed mathematics and science activities for a summer enrichment program for low-income CPS middle school students in the Skyway Network.

Americorps VISTA   Anchorage, Alaska
Summer Associate Team Leader   *May 2011 − August 2011*
Networked with organizations and small businesses to raise funds for a fall festival that resulted in over $2000 raised for the Older Persons Action Group (OPAG).

Alaska Environmental Health Laboratory (EHL)   Anchorage, Alaska
Intern   *November 2008 − March 2009*
Chosen as part of the gifted mentorship program in the Anchorage School District. Worked in a professional state laboratory, learned standard testing methods and data collection techniques in food safety and environmental health.

Skills

Programming languages { *intermediate*: Python, C; *basic*: Javascript, SQL, Ruby, Swift; }

Frameworks and RDBMSs { *proficient*: Rails, Django, Bootstrap; *basic*: iOS, PostgreSQL; }

Operating Systems { Linux (Ubuntu), OSX, Windows }

Markup and Styling Languages { LaTeX, HTML5, CSS3, Markdown }

Version Control System { Git }

Other: Mathematical modeling, simulation of physical systems, and problem solving precision.

Notable Awards and Achievements

StartupIIT Hackathon   May 2nd / 2015
2nd Place; **Team** *meHungry*
> Worked with a pre-revenue startup "meHungry" that sought to deliver food made by private chefs.

TechNexus-Monkeybars Openbuild Hackathon   February 1st − 2nd / 2015
1st Place, **Most Impactful Award**; **Team** *Change*
> Worked with a team of six to develop a prototype web application that would allow people to donate money to a person or cause through their spare change. Continued with the project until April 2015.

Illinois Institute of Technology Undergraduate Mathematics Competition   February / 2012
1st Place
> Undergraduate mathematics competition held by the Math department. No relation to IIT Math Club.

COMAP Mathematical Contest in Modeling   February / 2012
Successful Participant; Paper: "*Camping Along Big Long River***"**

COMAP Mathematical Contest in Modeling   February / 2011
Honorable Mention; Paper: "*Optimization of Half-Pipe Course Design for Maximizing Vertical Air and Twist Through Conservation of Energy and Path Selection***"**

Intel International Science and Engineering Fair (ISEF)   May / 2008
Alaska State Finalist (1st *Place*); Project: "*A Heuristic Study in Fluid Particle Physics***"**

Extra-Curricular Activities

InterVarsity Christian Fellowship, IIT Chapter   2014-2015 Academic Year
Worship Band; Rhythm Guitar, Pianist

IIT Math Club   2011-2012 Academic Year
Vice President

Local Area Network Party Club   2010-2012 Academic Years
President