Anne Kim

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Education

Massachusetts Institute of Technology *Sept 2012 - June 2016*
- Bachelor of Science in Computer Science and Molecular Biology
- GPA: 4.8/5.0

Relevant Coursework

- Software Construction *Spring 2014*
- Intro to Algorithms *Spring 2014*
- Computer Science and Programming in Python *Winter 2013-Fall 2013*
- Proof-Based Math for Computer Science *Fall 2013*

Research Experience

MIT's Gifford Lab: *Undergraduate Researcher* *Sept 2013 - Present*
- Work in a computational biology lab that specializes in stem cell based developmental biology with original computational methods that build predictive models from high-throughput experiments. From data analysis, Gifford Lab collaborates with wet labs to design unique experiments for further data collection and analysis.
- Analyze genetic data on the differentiation of pancreas progenitor cells using Python in order to visualize transcription factor interactions to help in the treatment of pancreatic diseases

MIT's Early Childhood Cognition Lab: *Undergraduate Researcher* *Jan 2013*
- Worked in a behavioral research lab that focused on childhood reasoning, curiosity, and socialization.
- Contributed to the understanding of causal relation development in children
- Recruited children (6-18 months of age) in the Boston Children's Museum for research trials
- Set up trials with stimuli that would visually engage children

Work Experience

Private Tutoring: *Tutor* *Sept 2010 - Present*
- Tutor high school students in all subjects (AP Calculus, AP US History, Geometry, AP Chemistry, AP Physics, AP Language and Composition etc)
- Organize and execute individualized plans for students taking the SAT's

Programming Languages

- Python, Java, LaTeX, MATLAB, Pymol (computational protein modeling)

Leadership and Activities

MIT Women's Varsity Lightweight: *Rower* *Sept 2012 - Present*
- Compete on the first varsity eight
- Earned MIT record result of 5th at Head of the Charles in LWT 8+ category

Society of Women Engineers: *Internal Mentorship Chair* *Sept 2012 - Present*
- Organize events to build community within the organization
- Serve on SWE board to coordinate between other departments within MIT SWE
- Volunteer for SWE Outreach: facilitate group experiments and guide MIT lab tours for middle school girls in the KEY's program, supervise high school girls as they meet women in STEM industries through the WiSE program, personally mentor a high school senior in her college application process through College Connection

DynaMIT: *External Relations Officer/Camp Counselor* *Aug 2013 - Present*
- Discuss funding with camp sponsors
- Facilitate a day camp that aims to introduce students to STEM studies in an engaging environment

Undergraduate Practice Opportunities Program (UPOP): *Student* *September 2013 - Present*
- Developed skills in professionalism through team decision-making, project engineering, and agile methods

Black Students' Union: *Events Committee* *Sept 2013 - Present*
- Organize events that build multicultural awareness on campus

Sigma Kappa: *Elected Baking Chair* *Sept 2013 - Present*
- Commit to baking enough for the 120-person sorority once a week to encourage strong sisterhood relationships