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YANG YU

EDUCATION

University of California – Berkeley, Berkeley, California   (May 2018)
Electrical Engineering and Computer Science, BS   GPA: 3.52

Thomas Jefferson High School for Science and Technology, Alexandria VA
2010-2014   GPA: 3.92 (unweighted)

SKILLS & ABILITIES

Proficient in Java, Python, C, MIPS instruction set and data structures
Strong understanding of parallel computing using MPI
Project experience with SaaS using RoR, JavaScript, JQuery, and API-integration
Server-side language experience with Flask, Django
Experience with Database engine (SQLite, MySQL)
Fluent in Chinese, TOCFL band 3 certified

EXPERIENCE

READER, ELETRICAL ENGINEERING 16A   **[JAN 2016 – PRESENT]**
- Present at office hours to answer student questions and create content for the class

SYSTEM ADMIN INTERN, BAE SYSTEMS   **[JUN 2015 – AUG 2015]**
- Developed internal tools and automation to save company time
- Maintained navy yard network and server security standards
- Created a service that deletes inactive government contractor information

TECHNICAL SUPPORT ASSISTANT, BERKELEY ART MUSUEM   **[AUG 2015 – PRESENT]**
- Provided technical support services to the BAM/PFA business team.
- Configured the network during to the move from Southside Berkeley to Downtown.

LEADERSHIP

Society of Asian Scientist and Engineers: Director of External Affairs (2014-2016)
Jefferson Society: Outreach + Tour guide (2011-2014)
Engineering Is Elementary: Teaching assistant (2012-2014)
STEMbassador: Outreach coordinator + local liaison (2011-2014)

PROJECTS

RiderWay   **JS/Django/Here API/Microsoft Azure**   **[Oct 2015]**
- After a skateboarding accident, I designed this product and assembled a team to realize it.
- Mobile-compatible web-app that allows skateboarders and bikers to rate roads.
- Generates time-sensitive aggregated rating for each unique path.
- Employs a "by rider, for rider" ecosystem to create a safe cruising experience.

Graphical glookup (ggLookup)   **Flask/JS**   **[Sept 2014]**
- ggLookup enhances UC Berkeley glookup's command line grade retrieval tool.
- Visualizes personal grades and distribution to better understand performances.

Lift   **JS**   **[May 2015]**
- Chrome Extension, allows users to mark and traverse to actionable content.
- Allows quick traversal on lengthy web pages such as Reddit, Facebook, Twitter, etc.

Ultra-Rapid Stream   **JS/Riot Gaming API**   **[Apr 2015]**
- A web-app that uses Riot Gaming's API to access game information displaying critical statistics.
- First place winner of Breaking Tech and Social Bad Hackathon.