

Alex A. Liu

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Education

University of California, Berkeley

August 2011 – May 2015

B.S. in Electrical Engineering and Computer Science

GPA of 3.38/4

Experience

Software Engineer / Arista Networks

August 2015 – Present

Web Developer / P.I.C. Your Future

August 2013 – May 2015

Transitioned application into a single page Angular app to improve website flow

Refined and added features, such as the ability to take multiple selfies and a basic gallery, which served to create a compelling application that uses visual storytelling practices, like the "selfie", to help improve college access for underprivileged high school students.

Activities

Volunteers Co-Chair / Queer and Asian Conference (QACON)

September 2015 – Present

External VP / Out in Science, Technology, Engineering, and Mathematics (oSTEM)

August 2012 – May 2015

Worked to increase external professional relationships for the organisation by reaching and coordinating info sessions and sponsorships with companies, providing members the opportunity to form a network with LGBTQ professionals

Skills

Web

HTML/CSS, JavaScript with JQuery and some React, Angular, d3 experience

Programming Languages

Go, Python, and some Ruby, Scala, Java, C, C++, Unix experience

Natural Languages

English, Mandarin Chinese

Programming Experiences

Implemented a basic ray tracer from scratch, interpreted Bezier patches to render various objects (including the standard Utah teapot), and wrote a basic fluid simulation using smoothed particle hydrodynamics

Parallelism with Intel's SSE intrinsics and OpenMP to increase the speed of matrix multiplication approximately ten times on average

MapReduce using Apache Hadoop framework on Amazon's EC2 servers to analyse large amounts of text data for the co-occurrence rate of target phrases in the data