Alec Mouri

Engineer

Contact

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Coursework

CS
Algorithms
Artificial Intelligence
Comp. Biology
Comp. Geometry
Compilers
Databases
Data Structures
Graphics
Operating Systems
Random Algorithms
Security

EE
Analog Circuits
IC Devices
IC Fabrication
MEMS (audit)
Signals and Systems

Math
Discrete Math
Linear Algebra
Multivariable Calculus
Numerical Analysis

Skills

Python
Java
Scala
C/C++
Git
Android
Arduino

Education

2012-2015	**BS Electrical Engineering and Computer Sciences**	UC Berkeley

Experience

2015 — Software Engineering Intern — LinkedIn
Leveraged Play framework to build backend APIs powering LinkedIn Pulse.
Built RSS feeds for syndication of Influencer posts and content.
Deployed client-side endpoint for sharing to Linkedin and Twitter.
Designed new Avro schemas for responses from API services.
Architected new REST services to support these schemas
Coordinated with client and mobile teams to communicate API needs.

2015 — Graduate Student Instructor — UC Berkeley
Teaching assistant for an upper division operating systems course.
Led discussion sections and office hours and managed discussion board.
Designed course materials, proctored and graded exams.

2014 — Research Assistant — UC Irvine
Investigated methods for segmenting and tracking stem cells.
Methods included Canny edge detection and Hungarian bipartite matching.
Designed an image processing pipeline for implementing these methods.
Consulted with faculty concerning desired features to aid future research.

2013-2014 — Reader — UC Berkeley
Graded homeworks for a discrete mathematics and probability course.
Mentored students through the material during homework help sessions.
Developed homework rubrics to ensure fair and equitable grading.

2013 — Research Assistant — UC Berkeley
Researched symmetries and aesthetics of topological knots.
Applied modeling techniques for producing boundary representations.
Investigated differences between modeling software for rendering B-splines.
Used lighting and ray-tracing to produce aesthetically pleasing models.

Activities and Societies

2015 — Industrial Relations Officer — Eta Kappa Nu, Mu Chapter
Liasion between companies and HKN.
Organized the UC Berkeley Startup fair and assisted in infosession setup

2014 — Bridge Officer — Eta Kappa Nu, Mu Chapter
Maintained a photo repository cataloguing society events.
Created a yearbook that was sent to nationals.
Created slideshow documenting semester's events.

2014 — Student Relations Officer — Eta Kappa Nu, Mu Chapter
Promoted infosessions for Industrial Relations.
Managed apparel sales and hosted cookie runs for EECS midtems.