George He

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EDUCATION

UC BERKELEY
B.S. Electrical Eng. & Computer Science
GPA: 3.977/4.0
Aug 2014 - Dec 2016

LINKS

Github:// georgehe4
LinkedIn:// georgehe4
Portfolio:// georgehe.me

COURSEWORK

UNDERGRADUATE
Machine Learning
Artificial Intelligence
Advanced Algorithms
Database Systems
Machine Structures

COURSE STAFF
Designing Informational Devices
Structure & Interpretation of Computer Programs

SKILLS

LANGUAGES
Experienced:
Python • Java • C • C++
Javascript • Dart • Scala • Go
Familiar:
MySQL • Swift 2 • Assembly

FRAMEWORKS
Experienced:
Spark • Polymer • jQuery
AngularJS • GAE • Scalatra
Familiar:
Meteor • Hadoop

SOCIETIES

Eta Kappa Nu | Officer
Tau Beta Pi | Member

EXPERIENCE

GOOGLE — Software Engineer Intern
May 2016 - August 2016 | Mountain View, CA
- Developed with: Golang, Polymer, C++, AngularJS, Javascript, Borg
- Search Indexing - Create experiment pipeline tools for machine-learning focused tests

GRAND ROUNDS — Data Science Consultant | ML@B
January 2016 – May 2016 | Berkeley, CA
- Developed with: Python, AWS, Spark
- Big data analysis of health care data to detect important signals in predicting patient care

GOOGLE — Software Engineer Intern
May 2015 – Aug 2015 | Portland, OR & London, UK
- Developed with: Dart, Python, Polymer, Google App Engine
- Lead project to create https://dartpad.dartlang.org
- Conducted UX and usability research in London

AUDIENCE INC — Engineering Intern
June 2014 - August 2014 | Mountain View, CA
- Developed with: Python, Java, Android SDK, Robot
- Host software deployment - ensuring compatibility on eS704 and eS774 chips.

PHOTO LAB — Engineering Intern | Acquired By Dropbox
January 2013 - June 2013 | Palo Alto, CA
- Implementation of cross-platform photo sharing program in Objective C

RESEARCH

UC BERKELEY AMPLAB — Undergraduate Researcher
January 2016 - Present | Berkeley, CA
- Mango, a data visualization interface that allows ad hoc queries and modification on genetic data
- Applications of machine learning and distributed computing provided by the Spark framework
- Built as a critical tool to support bdgenomics.org

MACHINE LEARNING AT BERKELEY (ML@B) — Undergraduate Researcher
January 2016 - Present | Berkeley, CA
- Music recommendation using latent factor analysis and functional neural networks

UC BERKELEY SONGLAB — Undergraduate Researcher
August 2015 - December 2015 | Berkeley, CA
- Using machine learning to determine encrypted malware
- Focus on polymorphic code analysis and detection of common encryption algorithms

PROJECTS/COMPETITIONS

UC BERKELEY STATISTICS DATAFEST — Best in Show | Overall Winner
April 2016
- Developed with: Python, Spark, R
- Applying machine learning and statistical models to predict and market TicketMaster data

SENTIMENT CHAT — CalHacks 2015 | Moxtra API Winner
October 2015 | http://devpost.com/software/sentiment-chat
- Developed with: Azure, d3js, Python, Moxtra
- Natural language processing and analysis of message sentiments

3D MODELING - MICROSOFT KINECT — 3D Image Processing
January 2014 | https://github.com/Georgehe4/kinectproject
- Creation of navigable 3D point cloud using C++, Microsoft Kinect & OpenGL libraries