GARY GE

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Education

University of California, Berkeley **2015-2018**
B.S. Electrical Engineering and Computer Science | **GPA 4.0/4.0**

Stony Brook University **2013-2014**
Independent coursework concurrent with high school | **GPA 4.0/4.0**

Organizations: HKN (EECS Honor Society), TBP (Engineering Honor Society) (Student/Alumni Relations Officer)

Relevant Coursework (* denotes in progress):

[CS 61B] Data Structures & Algorithms	[EE 127] Convex Optimization *	[CS 162] Operating Systems *
[CS 70] Discrete Math & Probability	[CS 188] Artificial Intelligence	[CS 168] Internet Architecture *
[CS 170] Efficient Algorithms	[CS 189] Machine Learning	[CS 186] Databases

Experience

UC Berkeley | CS 189/289A (Machine Learning) Reader **Fall 2017**

- Grading papers, assisting in office hours and discussion sections, and developing project software.

Facebook | Software Engineering Intern **Summer 2017**

- Created a snapshot testing and debugging application for data center design tools.
- Project supersedes unit tests and is integrated into entire team's development work flow.

Infinera | Software Engineering Intern **Summer 2016**

- Built a multi-channel optical link simulator in VB and MATLAB.
- Integrated project with legacy design tools to offer high spectral resolution of link performance.

Stony Brook University | Research Intern **2014-2015**
Advisors: Profs. Dimitris Samaras, Gregory J. Zelinsky

- Conducted computer vision research on automatic action classification in images using human gaze.
- Created a novel image classification algorithm using features derived from gaze data.

Projects

PleaseTutorMe *Created at HackingEDU 2015*
PleaseTutorMe is a web app designed to bring available tutors to clients within minutes.

- Created custom views for front-end using Jade, CSS, JavaScript, Bootstrap, and Selectize.js.

Admiral *Created at Calhacks 3.0, presented at the 2017 Microsoft Imagine Cup National Finals*
Admiral is a web app that lets users earn credits for viewing ads that they can spend to hide ads elsewhere or cash in for real money.

- Created custom views for front-end using Jade, CSS, JavaScript, Bootstrap, and Vue.js.
- Built backend with MongoDB to store user accounts, implemented login and signup procedures.

Publications

Gary L. Ge, Kiwon Yun, Dimitris Samaras, and Gregory J. Zelinsky, "*Action Classification in Still Images Using Human Eye Movements*" The 2nd Vision Meets Cognition Workshop at Conference on Computer Vision and Pattern Recognition (CVPR) 2015 (Boston/USA)

Kiwon Yun, ***Gary L. Ge***, Dimitris Samaras, and Gregory J. Zelinsky, "*How We Look Tells Us What We Do: Action Recognition Using Human Gaze*" Vision Sciences Society (VSS) 2015 (Florida/USA)

Honors & Awards

Microsoft Imagine Cup National Finalist **2017**
Treehacks Best Use of Google ML - Runner Up **2017**
Edward Frank Kraft Award for Freshmen **2016**
Dean's Honors List **2015-Present**
Semifinalist, **Siemens Competition** in Math, Science, and Technology **2014**

Skills & Certifications

Proficient: Java, Python, JavaScript, Flow, MATLAB, HTML/CSS, Visual Basic/VB.NET
Familiar: PHP, React.js, XML, C++, C, SQL, Bootstrap, Node.js, Computer Vision/Machine Learning
Oracle Certified Associate, Java SE8 Programmer