GARY GE

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Education

University of California, Berkeley (GPA: 4.0/4.0) **2015-2018**
Electrical Engineering and Computer Science (EECS)

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

Organizations & Activities:
Eta Kappa Nu (EECS Honor Society), Tau Beta Pi (Engineering Honor Society), CITRIS Mobile App Challenge

Relevant Coursework:

[CS61B] Data Structures and Algorithms	[CS70] Discrete Math & Probability	[UGBA10] Principles of Business
[CS61C] Machine Structures	[CS188] Artificial Intelligence	[EE16B] Design Info Devices/Systems II

Experience

Software Engineering Intern, Infinera **2016**

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

Research Intern, Stony Brook University Computer Vision Lab **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.
- Identified behaviorally meaningful groups of action classes that elicit similar gaze patterns from people.

Projects

PleaseTutorMe *Created at HackingEDU 2015 In San Mateo, CA.*
PleaseTutorMe is a web application 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 In Berkeley, CA.*
Admiral is a Node.js web app that lets users earn credits for viewing ads that they can spend on ad-free content elsewhere or convert to 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

Edward Frank Kraft Award for Freshmen **2016**

Dean's Honors List **2015-2016**

Semifinalist, Siemens Competition in Math, Science, and Technology **2014**
Project: "*Action Classification in Still Images Using Human Gaze*"

Skills & Certifications

Proficient: Java, Python, MATLAB, HTML/Jade, CSS, Visual Basic/VB.NET

Familiar: JavaScript, XML, C++, C, SQL, Bootstrap, Node.js, Computer Vision/Machine Learning

Oracle Certified Associate, Java SE8 Programmer