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	[EE16A] Design Info Devices/Systems I
[CS61C] Machine Structures	[CS188] Artificial Intelligence	[EE16B] Design Info Devices/Systems II

Experience

Software Engineering Intern, Infinera   2016
- Worked on optical architecture team to build a multi-channel optical link simulator in VB and MATLAB.
- Project integrates 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 classification algorithm by combining state-of-the-art visual features with features from gaze data.
- Identified behaviorally meaningful groups of action classes that elicit similar gaze patterns from people.

Projects

PleaseTutorMe *Created with Michael Qu and George Lee 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 the Node.js framework using Jade, CSS and JavaScript.
- Integrated the Bootstrap CSS framework and several common JavaScript libraries into front-end.

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, Swift, XML, C++, SQL, Bootstrap, Node.js, Express, Computer Vision/Machine Learning
Oracle Certified Associate, Java SE8 Programmer