KALI CORNN

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EDUCATION

Stanford University, M.S. Candidate in Statistics
January 2018 – June 2019
Winter 2018 Coursework: Stochastic Processes, Computing for Data Science

Stanford University, B.S. Candidate in Computer Science
September 2014 – June 2018: Senior
Coursework: Algorithms, Computer Systems, Web Applications, Theory of Probability, Applied Statistics (Regression), Biostatistics, Data Mining, Artificial Intelligence, Data Visualization

EXPERIENCE

iOS Developer/Independent Researcher
Stanford School of Medicine (Dept. of Vascular Anomalies), June 2015 – Present
- Developed iOS app to facilitate data collection for patients who have lymphatic malformations, a rare medical condition (**Swift, ResearchKit**)
- App features: (1) Tracking patient symptoms through a survey, (2) Uploading patient photos, (3) Emails to physicians
- Used **R** to perform preliminary meta-analysis on literature pertaining to the success of non-invasive treatments for lymphatic malformations

Research Intern
Canary Center at Stanford, June 2015 – September 2015
- Developed GUI in **Matlab** for CT/MRI visualization and segmentation
- Implemented automatic and manual segmentation, and histogram analysis

Student Health Writer, Marketing Coordinator
iThrive @ Stanford, April 2015 – Present
- Wrote articles for Stanford's online student health magazine
- Redesigned Tumblr theme layout (**HTML/CSS**)
- Developed motivational quote generator for students (**HTML/CSS, JavaScript**)
- Designed marketing materials and emails for iThrive events
- Updated iThrive social media (Facebook/Tumblr)

PROJECTS

Senior Project (fall quarter 2017 – present)
- Front end and UI development to assist athletic coaches efficiently collect and store information about high school recruits (**HTML5, CSS, JavaScript, AngularJS**)

Artificial Intelligence Final Project (fall quarter 2017)
- Used statistical learning to predict Yelp review ratings (**R, Python**)

Data Visualization Final Project (fall quarter 2017)
- Created visualization to interactively compare Yelp businesses (**HTML/CSS, JavaScript, d3.js, Google Maps API**)

LEADERSHIP

Vice President
Alpha Phi Omega, Co-Ed Service Fraternity (Zeta Chapter), October 2014 - Present
- Led weekly meetings, organized service and fellowship events, connected with other chapters, recruited new members, and attended regional officer conferences
- Created and update chapter website (**HTML/CSS, JavaScript**)
- Developed website for annual Charity Auction (live-auction website) (**HTML/CSS, Meteor, JavaScript, AngularJS**)

SKILLS

Languages: HTML, CSS, JavaScript, d3, AngularJS, Meteor, Swift, C++, C, Java, Python
Tools: LaTeX, R, Tableau, Matlab, Mathematica, Xcode