SHAAN APPEL

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EDUCATION

University of California, Berkeley **Aug 2015 – May 2019**

- Bachelor of Science in Computer Science and Engineering (EECS)
- GPA – **3.98**
- Relevant Coursework: Machine Learning; Artificial Intelligence; Algorithms; Linear Algebra; Discrete Math and Probability; Comp. Security; Data Structures; Machine Structures; Designing Information Devices and Systems

TECHNICAL EXPERIENCE

ML Platform: Engineering Intern - DataVisor **May 2018 – Present**

- Develop unsupervised machine learning rules engine for real-time fraud detection
- Analyze and visualize real-time detection logs using Spark and D3.js

Research Assistant - Misinformation Research at Berkeley **Jan 2018 – Present**

- Analyze discourse in comments on fake news videos on YouTube using NLP

Technical Project Manager - Machine Learning @ Berkeley **Jan 2017 – Present**

- Manage all education initiatives including student led classes, workshops, and internal training programs
- Lead team of 6-8 engineers to design and build production-ready machine-learning models

Software Engineering Intern - Apple **May 2017 – Aug 2017**

- Create scalable, interactive data visualizations using D3.js

Director - Cal Hacks **Feb 2016 – Aug 2017**

- Develop public website for Cal Hacks, the largest collegiate hackathon in the world
- Manage company leads on sponsorship team tasked with filling a $350k budget

Head Backend Developer - Thought Lounge **Nov 2015 – May 2017**

- Backend development of thoughtlounge.org, servicing over 10 major universities

Head iOS Instructor - Mobile Developers of Berkeley **Feb 2016 – May 2017**

- Taught 10-15 novice programming students per semester to ideate and develop iOS apps in small teams
- Hosted industry speaker panels and app fairs, and led weekly Swift training workshops

Lead Instructor - Make School **June 2016 – Aug 2016**

- Managed the Hong Kong location and led activities to engage students in product development
- Developed and delivered course curriculum geared towards teaching programming fundamentals with Swift

PROJECTS

Product Sentiment Analysis **Jan 2017 – Dec 2017**

- Tool for sentence-level sentiment classification of consumer product video transcripts
- Model: LSTM based with single convolutional layer. TensorFlow, Keras, Python, Flask

DOATL – Lounge Hosting Web App **Nov 2015 – May 2017**

- Real-time web application currently used at 10 universities in the US. Encourages intellectual discussion by allowing hosts to create "lounges" and connect with participants. Meteor.js, MongoDB, JavaScript, HTML, CSS

Sincerely iOS App **Feb 2016 – June 2016**

- An anonymous messenger focused on promoting positivity. Implemented send, reply, and outreach viewing features using an open source Parse backend. Swift, Objective-C, Parse

AWARDS

Edward Frank Kraft Award: For highest scholastic records at the University of California, Berkeley. (Dec 2015)
National Merit Finalist: Awarded to top ranking students in the National Merit Scholar Program. (Feb 2015)

LANGUAGES AND TECHNOLOGIES

Python (scikit-learn, numpy, scipy, pandas); Swift; Java; JavaScript; SQL; Objective-C; C; HTML; CSS
Spark; TensorFlow; Keras; D3.js; Meteor.js; MongoDB; Flask; Git; XCode; LaTeX