Shun Lin

Portfolio: www.shunlin.me

Contacts
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Education

University of California, Berkeley | **Class of 2019**
B.S. Electrical Engineering and Computer Science | **Major GPA: 3.98**

Relevant Coursework
CS 61B – Data Structure (A) | CS 70 – Probability Theory (A)
CS 170 – Efficient Algorithm and Intractable Problems (A)
CS 188 – Artificial Intelligent (A) | CS 189 – Machine Learning (A)
CS 186 – Database System (A) | CS 162 – Operation Systems (A)
CS C100 – Techniques of Data Science (A-)

Skills
Languages: Python, Java, C, MatLab, Ruby
Web Development: HTML/CSS, JavaScript, SCSS, jQuery, React JS, Selenium, Rails
Machine Learning: TensorFlow, sklearn

Honors and Awards
Dean's Honors, Berkeley Undergraduate Scholar, National Dream Award Scholar

Experiences

Amazon *Seattle, WA*
Software Development Engineer Intern **May 2018 – Present**
- Developed a full-stack web application from stretch for HRBP to mass offboard contingent workers for security purposes
- Developed a user-centric UI using React.js and scalability-centric backend using Ruby on Rails and AWS DynamoDB
- Implemented termination APIs in Java using Workday and PeopleSoft API to automate the termination processes

Hewlett Packard Enterprise *Palo Alto, CA*
Software Engineering Intern **May 2017 – August 2017**
- Implemented automated integration tests in Java to test frontend UI features using Selenium with Jenkins support
- Implemented fixes to HPE OneView's software defects in UI design and components using JavaScript and SCSS
- Improved the efficiency of automated testing tool using Shell scripts and reduced the number of IE test failures to zero

DiversaTech Consulting *Berkeley, CA*
Vice President of Technology **December 2016 – Present**
- Developed a professional and modernized website for DiversaTech from scratch using HTML/CSS and JavaScript
- Advised consulting teams on technological aspects of consulting projects, including coding and recommendations

Technical Project Manager | Client: Symantec **February 2017 – May 2017**
- Led a team of five students to develop an email threat identifier software using Google API and Symantec DLP service
- Developed an interactive and user-friendly interface for the threat identifier software using JavaScript and CSS

Project Manager | Client: eBay **September 2016 – December 2016**
- Led a team of four student consultants to conduct technical research on end-user interface technologies and markets
- Analyzed optimal content to implement at each stage of the end user's journey on eBay's web and mobile application
- Developed metrics to evaluate various software that would maximize user retention rates and speed performance

Berkeley Student Cooperative *Berkeley, CA*
Network Manager **May 2016 – September 2016**
- Led the technical support team to ensure cyber security on personal computers and networks for 1300+ BSC residents
- Automated ticketing system, self-diagnosis program, and task delegation program to reduce the resolution time by 80%

UC Berkeley Student Affairs Information Technology *Berkeley, CA*
Network Engineering Assistant **May 2016 – September 2016**
- Developed strategies using graph theory to maximize wireless internet coverage with limited WAP in all residential halls
- Automated procedures to diagnose and resolve simple networking issues and reduced the resolution time by 80%

Leadership

Berkeley Campus Go Club *Berkeley, CA*
President **August 2016 – Present**
- Led and trained a team to compete in the American Collegiate Go League and the World Student Go Championships
- Coached the novice team the fundamentals of Go and advance mathematical and computational Go Game Theory

Projects

Spam and Ham Deep Learning **January 2018 – May 2018**
- Developed Spam Detection algorithms in Convolutional Neural Network and Deep Neural Network using TensorFlow
- Implemented AdaBoost algorithm, Support Vector Machine, Decision trees and bagged forests models using NumPy

Real Estate Prices Predictor **January 2018 – May 2018**
- Implemented high accurate lasso regression model to predict prices of real estate using Pandas, Matlab, and sklearn
- Engineered best features for the model by visualizing the data using Matplotlib and reinforcement training in Python