ANDREW VUONG

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Portfolio: http://andrewvuong123.github.io/

EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY – Berkeley, California   *Aug 2016 – May 2020*
Bachelor of Arts, Cognitive Science; Minor in Computer Science
- Relevant Coursework: Algorithms, Artificial Intelligence, Computer Architecture, Data Structures, Discrete Mathematics & Probability, Structure & Interpretation of Computer Programs, Multivariable Calculus, Computational Data Analysis, Principles and Techniques of Data Science

EXPERIENCE

LOGOS – Los Angeles, California
Full Stack Web Developer Intern   *July 2019 – September 2019*
- Implemented the user authentication page for the Logos web application using Bootstrap 4, CSS and HTML5
- Recommended designs for a streamlined, user-friendly landing page interface with the design team
- Created new features and functionalities on the Logos website using AngularJS, Firebase and HTML
- Created a skeleton screen for the main feed of Logos' web application using the Ionic framework to enhance user experience
- Performed bug fixes and code reviews to ensure responsive web design using CSS techniques

STARBUTTER AI – Berkeley, California
Growth Hacker Intern   *Feb 2019 – June 2019*
- Optimized user experience for high priority financial bots and content bots on Google Assistant
- Identified high-quality SEO content to compile databases for high usage Alexa Flash Briefings on Amazon and for Starbutter's banking product bots
- Analyzed user feedback to recommend UX enhancements to Starbutter's products and marketing assets
- Implemented traction strategies and growth hacking tactics for Starbutter's AI agents
- Drove performance on relevant metrics/KPIs, A/B testing, analyzed data and recommended testing and optimization strategies across channels and asset types

SELECTED PROJECTS

NP-Hardness   *Nov - Dec 2019*
- Explored approximations and real-world approaches to learn how to cope with NP-Hard problems
- Implemented a Steiner tree algorithm through the Networkx library to minimize and approximate a solver to a problem similar to the traveling salesman problem
- Researched additional algorithms such as k-clustering and tsp solvers to find the most efficient solver

AMERICAN SHIPPING LINE   *Aug 2019*
- Organized and redesigned the 2006 website for American Shipping Line using HTML and React
- Implemented a neat multi-page design drawing inspiration from other shipping companies' websites to create an enhanced user experience and easier readability
- Deployed the website using the FTP program Cyber duck and ran front-end tests to ensure there were no responsivity issues upon launch

PAC-MAN   *March – April 2019*
- Implemented DFS, BFS, uniform cost, and A* search algorithms to solve navigation problems for agents under time constraints
- Created multiagent minimax and expectimax algorithms and designed optimal heuristics for the Pac-man AI
- Implemented inference through the forward algorithm and particle filters to track movements of hidden agents

ADDITIONAL

Languages: Proficient in Python, Java, HTML/CSS; Familiar in C, Ruby On Rails, JavaScript
Technologies: Angular, Firebase, Bootstrap4, PowerPoint, Adobe XD, Photoshop, Illustrator
Organizations: REACH! (Youth organizer for the API Retention/Recruitment Center on campus)
Interests: Swimming, weight lifting, pianist, user experience
Skills: Strong written and verbal communication skills, organizational skills, interpersonal skills, strong problem-solving skills, motivated and fast learner, analytical