Andrew Vuong

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Professional Summary

Dedicated and motivated computer science student seeking a position to gain industry knowledge. Ability to adapt to new environments through utilizing computer programming, algorithm and problem solving skills**.**

Education

University of California, Berkeley **Expected Graduation: 2020**

B.A. Cognitive Science, Computer Science Minor ***August 2016 – Present***

- Relative Coursework: Artificial Intelligence, Computer Architecture, Data Structures, Discrete Mathematics & Probability, Structure and Interpretation of Computer Programs, Multivariable Calculus, Computational Data Analysis

Work Experience

Berkeley SkyDeck

Growth Hacker Intern | Starbutter AI ***February 2019-Present***

- Optimize user experience for high priority financial bots and content bots on Google Assistant
- Work on creating relevant and high usage Alexa Flash Briefings on Amazon
- Analyze user feedback to recommend UX-centered enhancements to the product and marketing assets
- Implement traction strategies and growth hacking tactics for Starbutter's AI agents
- Driving performance on relevant metrics/KPIs, A/B testing, analyzing data and recommending testing and optimization strategies across channels and asset types

Selected Projects

Pac-Man ***March – April 2018***

- Implemented DFS, BFS, uniform cost, and A* search algorithms used to solve navigation problems for multiple pacman agents while planning under time constraints
- Created multiagent minimax and expectimax algorithms, as well as designed heuristics for optimal AI
- Implemented inference using the forward algorithm and particle filters to track movement of hidden ghosts.
- Dealt with machine learning perceptron algorithm and neural network models to apply the models to several tasks including digit classification.

CPU ***November-December 2018***

- Collaborated with a partner to develop a 32-bit two-cycle RISC-V processor using Logisim
- Implemented control signals of RISC-V instructions through ROM control
- Created an ALU supporting all the operations needed in the RISC-V ISA as well as 9 of the 32 registers in the RISC-V architecture

PokePortal ***October 2018***

- Deployed a Pokémon web game app through Ruby on Rails with functionalities including; creating, capturing, and battling with other Pokémon
- Completed database migrations with Ruby on Rails and ActiveRecord
- Wrote functional unit and integration tests for application quality assurance

Skills & Interests

- Languages: Python, Java, C, Ruby on Rails, Scheme, SQL, LaTeX, JavaScript
- Technologies: Salesforce CRM, Microsoft Office, Excel, PowerPoint, Adobe Photoshop
- Organizations:
    - REACH! (Youth organizer for the Asian/Pacific Islander Retention/Recruitment Center on campus)
    - Men’s Novice Rowing (Bow seat for Men’s Eight)
    - AFX (Dancer on multiple performance teams for three semesters and ongoing)