Alvin Yuan

Contact Info:

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GitHub: https://github.com/ayuan214

Work Experience

Honda R&D Americas Inc. – Large Project Leader, UX Engineer

Nov 2012 – Current

- Promoted within first year as new development leader for all Acura speech recognition products
- Created product road map for Honda and Acura speech recognition systems by moderating usability tests, conducting surveys, and analyzing customer usage data
- Working closely with senior leaders on strategy to revitalize the Acura brand with a new user experience
- Managed two teams of programmers, engineers, and designers in LA, Ohio, and Japan to bring product to market
- Created product specs to optimize speech recognition system – saw a 77% increase in customer satisfaction as well as a 40% improvement in accuracy
- Collaborated with industry-leading design consultants to design new UXs (screen design, voice dialogues, and persona of the vehicle)
- Overseeing project budget: negotiate supplier licensing and development costs / monitor spending; I've reduced project budget by over $100,000
- Secured new IP for company by filing patents related to vehicle UX

Education/Certifications:

Certified Scrum Product Owner
- Product Backlog Management
- Agile and Scrum Best Practices

Certified Usability Analyst
- A/B testing for websites

University of California, Davis
- B.S. in Mechanical Engineering
- B.S. in Aerospace Science and Engineering
- Integrated Studies Honors Program: UC Davis academic society for top 5% incoming students

Programming Experience

Programming Languages:

JavaScript, BootStrap, AngularJS, PHP, HTML & CSS, MySQL, Jasmine

Portfolio: http://ayuan214.github.io/
- **Arcade Game** – Imitation of the classic Frogger game using object oriented JavaScript to manipulate an HTML canvas
- **Website Optimization** – Optimize for mobile by eliminating render-blocking JavaScript and optimizing images; Scored 95/100 for mobile on Google Page Insight
- **Neighborhood Map** – Used KnockoutJS to develop a website that integrated Google Maps with Yelp's API
- **Feed Reader Testing** – Utilized Jasmine testing framework to write a number of tests against a pre-existing application

About Me:

People Management:
Conceptualize a product vision with a diverse team of programmers, designers and engineers. Maintain a close pulse on team members and create meetings as necessary to keep project on schedule.

Passion for Technology:
I am independently designing and writing the code for a website that uses speech recognition to search for places of interest via a MySQL database that I built. I also love to monitor the latest consumer tech trends and attend events such as CES, SpeechTEK, and the LA Auto Show.

Data Driven Decision-Making:
Practice using strong analytical and critical thinking skills to create and administer usability tests and surveys that influence product design.

Relevant Skills

Spec Development & Design Tools:

Axure, Balsamiq, Microsoft Vizio, Photoshop

Project Management Tools:

Microsoft Project, Asana, JIRA