Zhichen Zhang

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Academic Distinguished Master student in Electrical and Computer Engineering, certified in Associate Project Management and Scrum Master, with rich experience in data-driven problem-solving skills and strong experience in leading engineering teams and meeting customer requirements. Seeking full-time opportunities in Product Management.

Education

University of California San Diego (UCSD), La Jolla, CA   Sep.2018 - Jun.2020
M.S. in Electrical and Computer Engineering: Intelligent System, Robotics, and Control.

Virginia Military Institute (VMI), Lexington, VA   Aug.2015 - May.2018
B.S. in Electrical and Computer Engineering (**GPA: 3.93/4.00**)
Honors: Dean's List (6/6), Wilbur S. Hinman, Jr. 26' Research Award, Tau Beta Pi, Eta Kappa Nu.

University of Oxford, Oxford, UK   Jan.2017 - Apr.2017
Visiting student. Machine Learning and Neural Networks.

Skills Qualifications

Product Management: Certified Associate in Project Management (CAPM), Certified Scrum Master (CSM), Trello, Jira, Confluence.
Engineering: Python, Java, Full Stack Engineering (HTML, CSS, JavaScript), and MATLAB.

Professional Experience

Product Manager (Course Project): Laioffer FLAG Camp   Apr.2020 - Jun.2020
- Initiated, designed, and deployed an online private room booking platform Gap Time.
- Conducted a data-driven market research and found out a user pain point where there are no rooms that are designed for office workers or students who need private rooms for a short amount of time with an affordable price.
- Prioritized core functionalities of a web app including reservation system, confirmation system, sign-in/sign-on page, payment system, database, etc. based on dependencies and critical user journey.
- Organized tickets and project documentations using **Jira** and **Confluence**, managed a team of eight engineers using **Scrum** framework, and ran two-week **Agile** sprints.
- Successfully delivered the MVP of private resting space web app in 8 weeks and aligned stakeholders for the final review.

Technical Product Management Intern (Factory Diagnostic Tool): Brain Corporation   Jan.2019 - Apr.2019
- Led a factory diagnostic tool's releases, proposed new UI pages, test dependencies, and Information Architecture, which increased adoption rate by 20%.
- Partnered with internal and external stakeholders to identify user pain points and gathered UX feedbacks for the engineering teams.
- Reorganized test structure based on test dependencies and different user scenarios and negotiated product timelines with the CTO at Brain Corporation.
- Collaborated cross-functional **Scrum** teams and led two diagnostic tool's releases.

Technical Project Management Intern (Brain Data Project): Brain Corporation   Apr.2019 - Sep.2019
- Initiated and led the first data science project at Brain Corporation which helped build software infrastructure and tools to provide internal and external analytic process to improve user experience.
- Conducted a competitor study and noticed the importance of having a robotics performance rating system.
- Analyzed trajectory data and defined performance metrics including similarities between training and testing trajectories, motion smoothness, and assist rate.
- Ran two-week agile sprints and conducted sprint planning, sprint review, and sprint retrospective meetings.
- Successfully delivered the MVP of the robot performance tool in 12 weeks and deployed the tool at production site.

Unique Activities

- Graduated from Virginia Military Institute as the 77th Chinese student since the schools was founded in 1839.
- Army Physical Fitness Test push-up record holder at San Diego Aztec Battalion AROTC with 135 push-ups in two minutes.
- Cadet First Captain as the only international student in VMI history.
- VMI Pistol Team Captain
- VMI Powerlifting Team Captain
- VMI Brazilian Jiu-Jitsu Cadet in Charge