Vivek Jain

vivekjain@berkeley.edu || (732) 668-1517
https://github.com/vivekjain1397
www.linkedin.com/in/vivekjain03
http://vivekjain1397.github.io/

EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY || *August 2015 – May 2019*
B.A. Computer Science, Cognitive Science (3.8/4.0)
- **Relevant Courses:** Data Structures & Algorithms in Java, Machine Structures, Structure & Interpretation of Computer Programs, Discrete Mathematics and Probability Theory, User Interface and Design, Artificial Intelligence, Introduction to Cognitive Sciences, Introduction to Neuroscience

SKILLS

Python, C++, C, Java, HTML5, CSS, Arduino, iOS Development (Swift), Android Dev., SQL, Scheme, JavaScript, Lua

EXPERIENCE

NVIDIA || Holmdel, NJ
Deep Learning Engineering Intern || May 2017 – August 2017
- Research on end to end deep learning for self-driving cars. Worked on various real world self driving car problems, mainly focusing on trajectory prediction.
- Trained several neural networks for autonomous driving and performed experiments for trajectory prediction for different self driving problems.

UC Berkeley Simultaneous Localization and Mapping Lab || Berkeley, CA
Research Lab Intern || January 2016 — August 2016
- Worked with a Ph. D student at Berkeley on a project called "Using Multi-Robot Enabled Dexterous Locomotion to Search for Victims in Disaster Areas".
- Worked on specifically optimizing Computer Vision/SLAM Algorithms to identify robots in different areas.

Cyrcle || *San Francisco, CA*
Software Engineering Intern || June 2016 – September 2016
- Ecommerce company focusing on changing the buyer/seller market
- Worked on a website using Algolia API and developed the backend of the website.

NASA (Goddard Institute of Space Studies) || *New York, NY*
Research Intern || June 2014 — August 2014
- Developed an Urban Search and Rescue robot that was maneuvered by a joystick to detect the presence of humans in perilous situations via infrared and a variety of other sensors.
- Used the National Instruments LABView 2011 software to accomplish the task.

NASA (Goddard Institute of Space Studies || *New York, NY*
Research Intern || June 2013 — August 2013
- Developed an autonomous two-wheeled robot that used light seeking techniques to navigate through obstacles.
- Used the C programming language in the MPLAB IDE to accomplish task.

SELECTED PROJECTS

PinLoco || *November 2015 — March 2016*
- An iOS app that allows a user to pin his or her pictures to certain locations and share that pin with others. Pin visibility on the map depends on the popularity of the pin based on users' voting. This app allows pins to share people's perspective of a landmark or an event that is worth sharing.
- Used the Parse API and Twitter API. Built using Swift 2.0.

MindWake || *September 2014 — June 2015*
- Wearable device that alerts a driver when he or she is losing attention or falling asleep. Utilizes brainwave and other sensor data along with an algorithm I developed to determine if the driver has lost attention or fallen asleep. Data is sent via Bluetooth and interpreted by an Arduino. Provisional Patent pending.
- Used C and Arduino

Cal Group Finder || *June 2015 — August 2015*
- Web application for Berkeley students to discover and schedule group sessions with students who have the same studying preferences, classes, and group formation capabilities.
- Utilizes HTML, CSS, Javascript, PHP, and a MySQL database.

ACTIVITIES

Sponsorship Director || *September 2015 — Current*
Cal Hacks || Berkeley, CA
- Cal Hacks is a 36-hour hackathon, or programming competition, hosted by UC Berkeley.
- In charge of communicating and negotiating with companies to donate money to help make the event possible.

Founding Partner/Project Manager || *August 2016 — Current*
CodeBase || Berkeley, CA
- Codebase focuses on developing software such as websites and apps as well as UI/UX design for startups and companies.
- Contact and manage any potential clients, such as start ups, and form technical teams to get the project done. Also, create schedules and methods to recruit technical developers and for the software projects. Overall I help manage the organizations growth.