ISHAN VASHISHTA

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Education

UNIVERSITY OF MICHIGAN **Ann Arbor, MI**
• Bachelors in Computer Science
• Enrolled September 2015 - April 2019
• Relevant Courses Completed: Elementary Programming (EECS 183), Discrete Mathematics (EECS 203), Data Structures (EECS 280), Algorithms (EECS 281), Computer Organization (EECS 370), Computer Security (EECS 388), Web Systems (EECS 485)

Experience

AMAZON | Alexa Machine Learning Data Platform **Cambridge, MA**
Software Development Engineering Intern **May 2018 – August 2018**
Developed a full-stack application to help improve access to datasets for data scientists. In the front-end, used Ruby on Rails along with Vue.Js to create a dynamic interface. Within the back-end, designed and implemented a Search API endpoint to allow for querying of the metadata of various datasets. Gained experience working with several AWS tools such as Dynamo DB and S3. Experienced life as a software engineer: taking part in morning stand-ups, design reviews, code reviews, and working within large codebases. Additionally, learned how to program an Alexa Skill as part of the internal intern hackathon.

SCHOOL OF SOCIAL WORK **Ann Arbor, MI**
Web Developer **May 2017 – August 2017**
Programmed within Drupal 7 as a web developer for the School of Social Work at the University of Michigan. Worked with the Google Drive API and various MYSQL databases to create three new applications for the school including a means for faculty to find out about research funding opportunities, an application for professors to view, edit, and delete course syllabi, and an application for faculty and students to submit and store CV's.

MICHIGAN DAILY **Ann Arbor, MI**
Managing Online Editor | Web Team Member **February 2017 – December 2017**
Served as Managing Online Editor of Michigan Daily Website for summer of 2017. Contributed to creating an improved visualization for customers of the paper interested in purchasing advertisement space. With the new ad page, located at http://magnify.michigandaily.us/adTMD/, users can now visualize advertisements and get a realistic quote without speaking to anyone. Developed several other webpages/graphics, solidifying knowledge of JavaScript and HTML/CSS.

DIRECT BRAIN INTERFACE LABORATORY **Ann Arbor, MI**
Research Assistant | Programmer **September 2016 – April 2017**
Used C++ programming within the BCI2000 application under Dr. Jane Huggins to improve a Cognitive Testing Application. Reconfigured Cognitive Testing Task to decrease program error through added stimuli to gain more accurate results on patients with disabilities such as cerebral palsy. Helped construct a new module that offers a version of the Peabody Vocabulary Test available through mouse click.

Projects

Research Funding Opportunities
Developed a page for the University of Michigan School of social work to display all available funding opportunities. Features of the page include a search functionality that allows the user to search based on keywords and to whom the opportunity would apply to, the opportunity to sort results based on the deadline for submission, and a web form for administrative users to edit/add opportunities within the database.

Course Syllabi
Created a database and programmed an application that stores all course syllabi for the School of Social Work. Learned how to use cookies to track what term of courses the user was previously viewing, how to submit ajax requests, and how to query a database with MYSQL.

Languages/Skills

• Proficient: C++, Python, JavaScript, HTML/CSS; Working Proficiency: Java, Ruby on Rails, JQuery, Vue.Js, React.Js
• Skills: Git, Linux, Photography, Adobe Photoshop, Adobe Light Room, Adobe Illustrator, Microsoft Office, Web Design, MYSQL, NoSQL, Alexa Skill programming

Additional

• Completed 2016 Chicago Marathon in 3:22:09 while fundraising $1000 for the Chicago Youth Centers
• Favorite Book: *The Plague* by Albert Camus