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ALAN YUAN

EDUCATION

University of Toronto, Computer Science Specialist (Sept 2011 - Dec 2015)

Don Mills Collegiate Institutes, Honors, Gifted Program (Sept 2008 - June 2011)

SKILLS SUMMARY

Languages: Matlab, C, Python, Java, PHP, Javascript, CSS, HTML, SQL, R, XML

Software/Frameworks: Ruby on Rails, Git, Eclipse, Arduino, Angular, Bootstrap

Relevant Courses: Operating Systems, Networks, Machine Learning, Artificial Intelligence

EXPERIENCE

DEVELOPER, DCS UNDERGRADUATE PROJECT PORTAL (DCSUPP) (JAN 2015 - CURRENT)

- DCSUPP academic project developed for the University of Toronto to match students and research projects at the Department of Computer Science and the Department of Engineering

- Designed and presented an academic project poster on the webpage's functionality at the Undergraduate Research Showcase 2015

RESEARCH ASSISTANT, UNVERSITY OF TORONTO ECONOMICS DEPARTMENT (SEPT 2014 - FEB 2015)

- The project is an academic study sponsored by the Canadian Market Regulators, IIROC, on High Frequency Trading to determine the impact of Trade-at-Rules on Canadian Markets

- Independently computed market qualities such as aggregated effective-spread, price-impact and realized spread from market updates sent by the various electronic trading platforms

DEVELOPER, DEPARTMENT OF COMPUTER SCIENCE MAILING CENTRALIZATION SYSTEM (SEPT 2014 - CURRENT)

- Coordinated and developed a webpage using Ruby on Rails that is currently administrated by the Computer Science Department to coordinate jobs, news and event updates (www.uoftweb.com)

- Introduced an innovative centralized mailing system designed to provide users with up-to-date, customized emails based on user selected preferences on posts

CO- FOUNDER, VIVIER (MAY 2013 - CURRENT)

- Co-founded a wearable technology company working towards producing a ring-shaped computer mouse utilizing MEMS sensors and Bluetooth LE modules

- Researched and implemented signal filtering algorithms and machine learning models on Matlab using sensor data to accurately determine hand motions and gestures

PRESIDENT, WEB DEVELOPMENT CLUB (MAY 2013 - AUG 2014)

- Founded a club at the University of Toronto to assist students with learning web development and to provide a platform for recruiters to meet potential developers

- Organized an annual Entrepreneurship and Research Events featuring over 20 startups and academics whom presented their projects or companies to potential undergrads recruits

DEVELOPER, EVIDENCE BASED MEDICAL EDUCATOR (MAY 2013 - SEPT 2013)

- Developed the front end application and layouts of medical sites using HTML, CSS, JQuery, Twitter Bootstrap, and Javascript