

Angad Kalra

Vancouver, BC

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github.com/angadkalra

Education

- **University of British Columbia** - Faculty of Science, 4th Year September 2012 – May 2018
Combined Major: **Mathematics and Computer Science**
- Python for Data Science – edX January 2017
- Machine Learning – Coursera & Stanford January 2016 – August 2016
- Data Science Essentials – edX and Microsoft August 2016

Technical Experience

Centre for Molecular Medicine and Therapeutics – Vancouver, BC May 2017 – August 2017

Undergraduate Research Assistant

- Developing and applying statistical and computational models for integrating and interpreting diverse types of genomics data, with the ultimate goal of disentangling meaningful molecular associations for common and complex pathologies, such as neurodegenerative and psychiatric disorders.

Vision Critical Communications Inc. – Vancouver, BC

January 2016 – August 2016

Software Development Intern

- In the first four months, responsibilities were fixing defects, writing integration tests, improving test coverage in deployment pipeline and learning new technologies simultaneously. New technologies included ASP.NET MVC, C# and Visual Studio.
- In the last four months, fixing defects and writing tests continued. Additionally, developed in HTML5 and various JavaScript frameworks (Grunt, jQuery, Jasmine) to replace outdated Flash technology that existed in product.

Safe Software – Surrey, BC

January 2015 – April 2015

QA Analyst

- Primarily responsible for identifying potential improvements in their current automated testing system and designing new tests to expand their test coverage.
- Developed in Python 2.7 and interacted with multiple APIs such as GitHub and Amazon AWS.

Recent Projects

Code The Change UBC (community of engineering students using their technical skills to drive social change)

- Bridging The Gap is a UBC Mental Health Initiative Club that we created a website for using AngularJS in order to provide mental health solutions for students on campus.
- Verna J. Kirkness STEM Education Program is a local charity that we are building a database & web app for. We are using Python and Django for the web app, and MySQL for the database hosted on AWS.

NBA League Database

- Built a database and web app using NodeJS, MySQL, HTML and CSS. Allowed users to login as Coach, Manager, Admin or General and view player and team info, as well as edit, create and delete entries. Additionally, users could run complex SQL queries on players and teams for more detailed stats.

Technical Skills

- Strong foundation in Data Structures and Algorithms, Discrete Mathematics, and Machine Learning.
- Fundamentals of web development using various JavaScript frameworks, HTML and CSS.
- Python3 and TensorFlow.
- MATLAB.

