

Brandon Chong

bschong2@illinois.edu • 818-661-8088

Education

University of Illinois at Urbana-Champaign

Bachelor of Science in Computer Science

2013 – Present

Advanced Coursework (* = ongoing):

Web Programming

Numerical Methods

Algorithms I and II

Database Systems

Data Mining

Machine Learning

Programming Languages

Security*

Distributed Systems*

Virtual Reality*

Minor in Statistics

2013 – Present

Development Skills

Programing Languages

Complied: Java, C, C++, C#, Python, Haskell

Web Development: HTML, CSS, Javascript and jQuery, PHP, SQL

Experience

Microsoft

REDMOND, WASHINGTON

Software Developer Intern

May '16 – Aug '16

Worked on DocumentDB: A distributed, cloud, and NoSQL database service

Developed a software testing framework for the query engine

Created a unit test generator given data from a collection

Wrote a logging system to report anomalies in performance

Epic Systems Corporation

MADISON, WISCONSIN

Software Developer Intern

May '15 – Aug '15

Allowed doctors to run hypothesis tests to see if the difference between sets of patients is significant

Extended Epic's HTML5 Canvas Graph API, which is used in many data visualizations applications

Fused statistics with data visualizations to provide critical information in a UI/UX friendly manner

NMSI, Inc.

LOS ANGELES, CALIFORNIA

Software Developer Intern

May '14 – Aug '14

Maintained a loan origination system for a wholesale mortgage company

Worked on an ASP.NET web application and used Visual Studio for the front end

Maintained a MS-SQL database as well as a windows server host

University of Illinois at Urbana-Champaign

URBANA-CHAMPAIGN, ILLINOIS

CS 241, CS 173, and CS 125 Course Assistant

Aug '14 – Present

Projects

Cheating Detector for Programming Courses

Jan '15 – Present

Measures the similarity between all students for every assignment

Allows users to easily review/compare suspected matches and report them

Heavily utilizes variations of edit distance and logistic regressions

Automated Software Testing Infrastructure for Programming Courses

Jan '15 – Present

Eliminates the need for assignment writers to develop their own testing scripts

Allows all courses to grade their assignments just by creating a configuration file and unit tests

Uses python for the infrastructure and the unit tests can be in the writer's preferred language

Last update on July 10, 2016

Please refer to my [Website](http://www.brandonchong.net) for a more detailed explanation of my experiences and projects along with some live demos.

www.brandonchong.net