

# Brandon Chong

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## 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\*

**Minor in Statistics**

2013 – Present

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## Development Skills

Programming Languages

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

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

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## Experience

Microsoft

REDMOND, WASHINGTON

**Software Developer Intern**

Upcoming

Going to be working on the Azure team on a distributed, cloud, and NoSQL database

Epic Systems Corporation

MADISON, WISCONSIN

**Software Developer and 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

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## 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

**Github Wikibook to PDF Converter**

Jan '15 – Aug '15

Converts the CS 241 Wikibook into a pdf that gets published into a physical book

Uses pandoc to convert markdown to latex and regex magic to make it suitable for publishing

Last update on March 30, 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](http://www.brandonchong.net)