

# DANNY LIU

<http://dannykliu.com/>

1B Software Engineering

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## QUALIFICATIONS

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- Founded a company [codegenius.io](http://codegenius.io), where I served as **CEO**
- Experience with web technologies **node.js**, **mongoDB**, Firebase, **jQuery**, HTML, and CSS
- Experience with **APIs**, **Java** (3 years), and **C/C++** (1 year)
- Firm understanding of **client/server/database** architecture
- An **insatiable desire to learn**. Completed four online courses on (Javascript, **AJAX**, Node.js, Angular.js) on Udemy since October 2015. Estimated time spent ~ **4 hours/day**.

## RELEVANT PROJECTS

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Wikipedia Shortest Path Finder (WikiFindr) November 2015

- Collaborated on a web app that implements a double-sided **breadth-first-search** starting from two Wikipedia articles using the Wikipedia **API** and then prints the shortest path to a screen. Started at Hack Western 2015. ([Link coming soon](#))

Online Chatbox (ChatCat) October 2015

- Developed a basic chatbox as an alternative to social media. Integrated **Facebook authentication**, **socket.io**, the **express.js** framework, and **mongolab**. <https://dannyschatbox.herokuapp.com/>

Resume Grading Web app (RezGradr) September 2015

- Web application for users to submit resumes online so that their social circle can access a link to rate it. Started at Hack the North 2015. ([Link coming soon](#))

Code Genius Inc. Website July 2015

- Helped write backend code to develop peer-to-peer live code editing, screen sharing, video calling, and file transferring features using various **node.js** modules and the **mongoDB** database
- Wrote all Javascript, jQuery, HTML, and CSS front-end code for the landing page and user/expert registration and interface screens. Company founded at the MIT Launch Summer Program.

Price Tracking Android App (Markit) June 2015

- Used the **Semantics3 API** to keep track of the prices of items a user might be interested in buying.
- Learned to build a basic Android app. Completed at AngelHack Toronto 2015.

Texas Hold'em Poker Game (Computer Application) May 2015

- Developed **java** application that allows for any number of people to play Texas Hold'em Poker
- Extensive use of **interfaces**, **classes**, and **objects** to represent the deck, hand, and flop.
- Implemented algorithm to compare the poker hands of all players and return the winner(s)

## AWARDS AND SCHOLARSHIPS

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- Canadian Senior Math Contest National Honour Roll
- Canadian Intermediate Math Contest National Honour Roll

## EDUCATION

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Candidate for Bachelor of Software Engineering, University of Waterloo

Sept 2015-present