



Brian Chen

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 Avarrocka |  brianyc | www.byc.me

Software Engineer with 4+ years of competitive coding, software, web, and game development experience. Completed multiple personal, and collaborative projects on many platforms. Fluent in English and Mandarin.

Technical Skills

- **Web Development.** Worked with HTML, CSS, SQL, JavaScript, LaTeX, ASP, PHP, and XML in developing many professional and personal sites. Learned about fundamentals of web development through jobs with Ivy Global Education and roles as Technical Director for many university clubs.
- **Strong Algorithmic Programmer.** Familiar with Java, C++, and Python after 4+ years of competitive programming on sites like TopCoder, and OpenKattis. Frequent attendee of Hackathons and recognized for creativity and achievement. Experienced with Shell, Linux, and other systems tools.
- **Android Programming.** Created three Android projects in collaboration with colleagues as personal projects. Open-source, and created by employing Agile Development methodologies.
- **Game Development.** Worked with Java to create two personal game projects. Has full storylines, game progression, quests, and real-time combat. Currently learning Unity and Unreal Engine.

Education

Honors Bachelor of Science - Software Engineering

University of Toronto, Class of 2020

September 2015 – Present

- Maintained a high 3.8/4.0 GPA, with outstanding marks in Math and Computer Science courses
- Founded the Computer Science Enrichment Club (CSEC) to teach students about Computer Science
- Computer Science Representative - Association of Computer Science and Mathematical Students

Work Experience

Web Administrator

Ivy Global, Toronto, Canada

July – September 2015

- Built educational websites with HTML, CSS, JavaScript, SQL, ASP, PHP, and AJAX
- Maintained and updated existing websites by updating databases, fixing bugs, and overhauling UI

Cashier

Manchu Wok CNE, Toronto, Canada

August – September 2014

- Attentive to customer needs and accommodated to the best of ability most customer requests
- Worked quickly and efficiently and was recognized for outstanding and friendly service

Notable Projects*

Fuudi – Fantasy Football Manager

Created for CFL SportsHack, 2016

Fuudi is an Android application that serves as a fantasy football manager. Fuudi allows users to add players of interest, see advanced statistics and social media updates regarding the player(s). Statistical analysis and other advanced data analytics are shown to the user. In developing Fuudi, I worked with the Android Studio, Java, XML, and APIs from IBM's BlueMix, Big Data University, and Twitter.

Ivy Global Classroom

Created for Ivy Global, 2015

IvyGlobal Classroom is an online virtual learning and course management environment. Users are able to create classes, manage students, create, review, and grade tests. In developing IvyGlobal Classroom, I worked with HTML, CSS, LaTeX, AJAX, and JavaScript in the frontend, and SQL, ASP, and PHP on the backend.

** All projects, links, screenshots, and in-depth descriptions may be found on my website: www.byc.me*