

Han Cheng (William) Gao

1B Computing and Financial Management

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SKILL SET

Programing Languages, C, C#, Java, JavaScript, VBA, Python, XML, HTML5, C++, SQL
Problem Solving, highlighted by achieving awards in math and computing contests
Troubleshooting, trained while volunteering as a help desk supervisor
Written and Verbal Communication, developed from serving clients during volunteer experience and group projects in business courses

SIDE PROJECTS

Finance Macro for AFM121 February 2016 - Present

- Developed on Microsoft Excel using VBA
- Designed a spreadsheet for calculating financial data
- Implemented user forms to better facilitate the entry of large sets of data
- Modularized the code to improve maintainability

Sea Battle March 2015 – August 2015

- Developed on Visual Studio using C#
- Implemented modular gameplay features using object oriented programming to improve the maintainability of the code
- Implemented gameplay against other players on the same LAN using Microsoft's system.net namespace

Swippy Bird (inspired by Flappy Bird) December 2013 - June 2015

- Developed on Android Studio using Java and XML
- Designed a recursive algorithm for procedurally generating the game setting
- Implemented a leaderboard and achievement system with Google Play integration to encourage social competition
- Carefully managed the Android lifecycle to improve compatibility between devices

VOLUNTEER EXPERIENCE

Service Desk Supervisor, Toronto 2015 Pan-Am Games, Toronto, ON, June 2015 - August 2015

- Troubleshoot electronic equipment for a variety of clients
- Collaborated with technology contractors to set up services, including cabling, printers and laptops
- Facilitated communication between the venue technology team, central operations and customers using Cherwell

EDUCATION

Candidate for Bachelor of Computing and Financial Management, University of Waterloo, Waterloo, ON, Sept. 2015 - present

Cisco Certified Networking Associate Routing and Switching, Cisco Certifications, July 2015

AWARDS

Euclid Mathematics Contest – Certificate of Distinction, University of Waterloo, 2015
Top 25% of 18,284 contestants

Canadian Computing Contest (Junior Division) – Metro Toronto Champion, University of Waterloo, 2014

Canadian Computing Contest (Junior Division) – Certificate of Distinction, University of Waterloo, 2014

Top 25% of 1,822 contestants

Pascal, Cayley and Fermat Mathematics Contests – Certificate of Distinction, University of Waterloo, 2012-2014

Top 25% of all contestants in each contest