Kevin Jia

University of Waterloo 1A Software Engineering

✉ k6jia@edu.uwaterloo.ca
☎ 613-890-8127
⌗ github.com/jia-kevin

Skills

- Experienced in: C, C++, Java (top score on AP exam)
- Familiar with: JavaScript, Python, SQL, and GitHub & Git

Related Work/Volunteer Experience

University of Lethbridge *Computer Science Online Researcher*   *Feb 2016 – June 2016*
- Optimized bus routes for Lethbridge Transit based on stops from the GIS mapping data provided by the City of Lethbridge, Alberta
- Developed an efficient graph theory algorithm to generate routes fulfilling multiple parameters
- Wrote a C++ implementation, finding routes in less than 1 second on average through ~30,000 potential stops
- Wrote a research paper summarizing results with LaTeX

Lisgar Computing Club *Cohead and Cofounder*   *Oct 2014 – June 2016*
- Co-managed an Apache web server which was used to host in-school programming competitions
- Gave weekly lectures on data science and competitive programming

Virtual Ventures *Intern*   *July 2014 – Aug 2014*
- Taught children from ages 8-14 in a computer science and engineering camp
- Gave lessons on Python, applications of physics, and engineering principles

Projects

productiivity   *Sept 2016*
- Android application that forces users to study for a set time period without touching or moving their phone.
- Built with Java and XML in Android Studio, incorporating accelerometer functionality
- Efficiently collaborated with teammates using GitHub

Sky Escape   *Jan 2015*
- 2-D platform game for computer created using C and allegro (C game library)
- Created gravity, collision detection, user-controlled sprite movement, etc. all from scratch

Honours & Awards

- Qualified for Canadian Mathematical Olympiad (2x) and Asian-Pacific Mathematics Olympiad
- National 10th Place in Canadian Open Mathematics Challenge out of ~6000 competitors
- Offered Edwin Anderson Waterloo Mathematics National Scholarship, valued at $18,000
- National 1st Place in Canadian Computing Competition Junior out of 1820 competitors
- 1st Place in ECOO Programming Contest Regionals

Education

University of Waterloo   Waterloo, ON, Canada
Candidate for Bachelor of Software Engineering   *Sept 2016 - Present*