

# AUSTIN CHO-WONG

## COMPUTER SCIENCE | BUSINESS OPTION

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## EXPERIENCE

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### Enterprise Software Developer

Canadian Blood Services | May 2016 - Aug 2016

- Developed Java Grails app to automatically alert when blood clinics require inspection, saving \$60,000/year
- Improved accuracy of blood donation rate predictions using Python, R, and MySQL by 30%
- Wrote Python scripts to automate and reduce administrative work for volunteers by 80%
- Created pipeline feature to instantly notify developers when apps on production servers fail
- Designed and implemented UI/UX of apps to improve usability

### Product Manager

Elements of Knowledge | May 2015 - Aug 2015

- Proposed and designed online classroom app to allow tutors to teach remotely, increasing revenue by 150%
- Managed team of developers according to agile methodologies to convert business needs into app features
- Conducted feasibility analyses and produced strategic plans to finish product development ahead of schedule
- Created wireframes, presentations, and UI/UX to demonstrate prototypes in development
- Developed feature to allow students to submit homework and receive annotated feedback from tutors in Ruby on Rails

### Founder

Google Developer Group - University of Waterloo | 2015, 2016

- Organized the largest developer group in Kitchener-Waterloo with over 1100 members
- Managed correspondence with Google to acquire sponsorships
- Created android development curriculum for beginners
- Planned and ran workshops on android and web development

### Web Developer

Toronto Multicultural Youth Council | 2014, 2015

- Modernized website backend to improve maintainability for non-technical members
- Created graphic and video advertisements, enhancing site traffic by 500%
- A/B tested email campaigns to improve click rate by 60%

## SKILLS

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- Project management
- Product development
- Business optimization
- Data analysis
- Team organization
- Languages: C++, Java, Python, Scheme, bash, R, MySQL

## PROJECTS

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### NHacks: Jymbit

(Most Promising Startup Award)

- Data science platform to identify underutilized fitness equipment
- Built with python, numpy, sci-kit learn, plotly, and Raspberry Pi

### Stratford Hacks: Cut the Cake!

(2nd Place out of 100)

- 3 storey tall "Coordination Math" game, displayed at UW Stratford
- Powered by Python, JavaScript, and GCD algorithms

### Future Quest

(Most Beneficial Student Initiative)

- Chrome plugin to improve UI/UX of University of Waterloo Quest site
- Constructed with JavaScript, CSS

## ACTIVITIES

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Undergraduate Rep.

School of Computer Science Council

Video Content Creator

University of Waterloo Marketing Dept.

Lead Game Developer

UW Game Development Club

## EDUCATION

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Bachelor of Computer Science with  
Business Option, Honours (BCS)  
University of Waterloo, Class of 2020