

# Kris Penney

FULL STACK DEVELOPER

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## Profile

- Passionate full-stack developer with experience in C++, Java, iOS Development (Objective-C and Swift), Android Development, Python, Node.JS, PHP, HTML, CSS, and Javascript.
- As a fourth year Double Degree student, I have gained course experience in data structures and algorithms, operating systems, user interfaces, compilers, and entrepreneurship.

## Education: 4A Business and Computer Science Double Degree

### University of Waterloo

HONOURS BACHELOR OF COMPUTER SCIENCE · SOFTWARE ENGINEERING OPTION

Waterloo, ON  
Sept. 2013 - Aug. 2018

### Wilfrid Laurier University

HONOURS BUSINESS ADMINISTRATION · FINANCE OPTION

Waterloo, ON  
Sept. 2013 - Aug. 2018

## Experience

### Web Developer

WILFRID LAURIER UNIVERSITY

Waterloo, ON  
July 2015 - Present

- Implemented improvements throughout the entire stack of a PHP web application.
- Created a survey application for the Centre for Student Success to accept and process student responses.
- Designed and developed a new responsive website for the Learning Specialists Association of Canada.
- Technologies used: HTML, CSS/LESS, Javascript, PHP, MYSQL, Google Apps Script

### Solutions Developer (Co-op)

TD LAB

Kitchener, ON  
Jan. 2016 - April 2016

- Received an "Outstanding" performance evaluation (Highest ranking).
- Developed iOS, Android, Web, Augmented and Virtual Reality, and Hololens based projects for The Bank.
- Collaborated with a team of full time developers, designers, and co-op students to bring solutions to life.

### Software Developer (Co-op)

CRAWFORD & COMPANY

Kitchener, ON  
Jan. 2015 - May 2015

- Developed a full-stack web application to modernize the organization's IT ticketing process for both employees and help desk agents.
- Created a realtime, interactive user notification system using SignalR.

## Projects

### uPark

KRISPENNEY.ME/UPARK

Java, Swift  
April 2016 - Present

- Created an Android to display student parking information at the University of Waterloo, available on Google Play.
- Developed an iOS version integrating SiriKit to be released on the App Store.

### FCAAlertView

GITHUB.COM/K9101/FCAALERTVIEW

Swift  
August 2016 - Present

- Created a Swift version of an existing open source Objective-C alert view library for iOS.

### Data Compression

GITHUB.COM/K9101/DATA-COMPRESSSION

C++  
July - August 2016

- Implemented LZW compression with BWT encoding as the final project for my algorithms class.
- Placed in the top 10 for best compression ratio out of 400 students.

### Personal Website

KRISPENNEY.ME

HTML, CSS/SASS, Javascript, Jekyll  
September 2014 - Present

- Designed and developed a personal website, now in it's third iteration.
- Implemented a modular development process using SASS and Jekyll to ensure simple maintenance.