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   *Waterloo, ON*

HONOURS BACHELOR OF COMPUTER SCIENCE · SOFTWARE ENGINEERING OPTION   *Sept. 2013 - Aug. 2018*

Wilfrid Laurier University   *Waterloo, ON*

HONOURS BUSINESS ADMINISTRATION · ENTREPRENEURSHIP OPTION   *Sept. 2013 - Aug. 2018*

Experience

Web Developer   *Waterloo, ON*

WILFRID LAURIER UNIVERSITY   *July 2015 - Present*

- Implemented improvements throughout the entire stack of a PHP web application.
- Created an online survey 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)   *Kitchener, ON*

TD LAB   *Jan. 2016 - April 2016*

- Recieved 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)   *Kitchener, ON*

CRAWFORD & COMPANY   *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   *Java, Swift*

KRISPENNEY.ME/UPARK   *April 2016 - Present*

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

FCAlertView   *Swift*

GITHUB.COM/K9101/FCALERTVIEW/TREE/SWIFT   *August 2016 - Present*

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

Data Compression   *C++*

GITHUB.COM/K9101/DATA-COMPRESSION   *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   *HTML, CSS/SASS, Javascript, Jekyll*

KRISPENNEY.ME   *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.