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 graduating Double Degree student, I have gained course experience in machine learning, distributed computing, operating systems, user interfaces, cryptography, and entrepreneurship.

Education: 5A 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 BACHELOR OF BUSINESS ADMINISTRATION · FINANCE OPTION   *Sept. 2013 - Aug. 2018*

Experience

Software Engineering Intern (Kernel-Transactions)   *Ottawa, ON*

SHOPIFY   *September 2017 - December 2017*

- Participated in a large project to overhaul the financial transactions and payments processing data models to unlock new business opportunities for Shopify.

Web Developer   *Waterloo, ON*

WILFRID LAURIER UNIVERSITY   *July 2015 - August 2017*

- Designed and developed new features for a Student Success Center web application, increasing the ease of use for staff and students.

Software Engineering Intern (Kernel-Transactions)   *Ottawa, ON*

SHOPIFY   *January 2017 - April 2017*

- Improved merchant experience by implementing resiliency in financial transactions, allowing Shopify to automatically recover from unexpected events (outages, bugs, etc).
- Reduced support debt by automating a manual process to adjust a merchant's Shopify Payments balance.

Solutions Developer (Co-op)   *Kitchener, ON*

TD LAB   *Jan. 2016 - April 2016*

- Developed iOS, Android, Web, Augmented and Virtual Reality, and Hololens based projects for The Bank.

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*

KRISPENNEY.ME/UPARK   *April 2016 - Present*

- Created an Android application to display student parking information at the University of Waterloo, avaliable on Google Play.

FCAlertView   *Swift*

GITHUB.COM/KRISPENNEY/FCALERTVIEW   *August 2016 - Present*

- Created a customizable alert view library for iOS, written in Swift.

Personal Website   *HTML, Javascript, Jekyll, SASS*

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.