Sahil **Jain**

3A Software Engineering | sahiljain**.ca** | s44jain@uwaterloo.ca | 647-949-8165

SKILLS

- **Languages**: Scala, Java, JavaScript, C/C++, Python, Ruby/Rails, SQL, PHP, Assembly
- **Technologies**: Cassandra, Android, Node.js, MongoDB, AngularJS
- **Software**: IntelliJ IDEA, Eclipse, Visual Studio, Netbeans, Jenkins, Git, SVN
- **Hardware**: Arduino, Raspberry Pi, cRIO, Scribbler
- **Music**: Tenor saxophone, guitar, piano, drums, FL Studio

EXPERIENCE

PAGERDUTY Backend Services Developer   Fall 2015 | Toronto
Scala, Cassandra, Finagle, Apache Thrift, Zookeeper, Rails, MySQL, AWS

- Improved reliability and performance of core realtime **Scala** services
- Optimized **Cassandra** queries, and applied distributed systems concepts
- Increased production data archival speed by **10x** by implementing concurrency
- Improved SLA metric accuracy and reduced transient alerts

REMIND101 Software Engineering Intern   Winter 2015 | San Francisco
Android, Robolectric, Jenkins, AngularJS, Rails

- Developed **Android** client with **1 million** downloads; **99.9%** crash-free status
- Independently developed Office Hours feature, used by over **50%** of teachers
- Implemented **Material Design** and enhanced notifications for **Android Wear**
- Improved performance and reliability of test suite significantly by migrating tests to **Robolectric** and reconfiguring **Jenkins** build server
- Made improvements to **Angular** app and **Rails** backend

PIVOTAL LABS Agile Engineering Intern   Summer 2014 | Toronto
Android, RoboGuice, Robolectric

- Prototyped and released **Android** apps doing **TDD** and **Agile** the right way
- Shipped mobile payment and XMPP chat apps using Arca MVVM framework
- Learned **Robolectric** best practices from its creators

PROJECTS

WATERLOO ANSWERS
Node.js, MochaJS, ExpressJS, AngularJS, MongoDB

- Led a team of 5 to develop a question & answer system for UW students

WHITEBOARD
Node.js, ExpressJS, MongoDB, EJS Templating

- A platform to help you find developers for your side projects
- Winner of the **Best Design Award**

DIGIT RECOGNIZER
MATLAB, JavaScript

- Used MNIST dataset to train a **neural network** via backpropogation

STOCK ANALYZER
Java, HTML5, JavaScript

- Applied **machine learning** principles to find momentum reversals and trends

EDUCATION

UNIVERSITY OF WATERLOO Bachelor of Software Engineering
Expected April 2018 | Cumulative average: **92.3%**

- Awards: Dean's List, top 10% of class every term, President's Scholarship

MISSISSAUGA SECONDARY SCHOOL
Graduated June 2013 | Grade 12 average: **96.3%**

- 1st in school in Euclid/CCC/SIN, Governor General's Award, Silver Lion's Award