# Josh Heinrichs

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## Education

**University of Saskatchewan**                                                     **Saskatoon**
*B.Sc. Honours Software Engineering*                                    *Sept. 2012 – April 2016*
Graduated with high honours. Gravitated towards algorithms, programming languages, concurrent programming, and networking.

## Work Experience

**Solido Design Automation**                                                     **Saskatoon**
*Software Engineer*                                                        *May 2016 – Present*
Currently working in a variety of areas with a focus on improving internal tooling and automated testing infrastructure within the complex and computationally-intensive environment of variation-aware electronic design automation. Responsibilities and achievements include:
- Improving the stability, throughput, and efficiency of our continuous integration server
- Identifying and fixing issues within our internal test harness and extending it with additional features to provide greater insight into the effectiveness of our automated testing
- Constructing integration tests to validate new features and prevent regressions within our software
- Building a highly extensible Slack bot to increase developer productivity

**University of Saskatchewan Algorithm Research**                                 **Saskatoon**
*Undergraduate Researcher*                                               *May 2015 – Aug. 2015*
Developed a Java application which allowed users to interact with and analyze Delaunay triangulations, and investigate into properties of certain restricted Delaunay triangulations.

**University of Saskatchewan Software Research Lab**                              **Saskatoon**
*Undergraduate Researcher*                                               *May 2014 – Aug. 2014*
Worked alongside another student to improve the quality of a large, mostly undocumented, probabilistic health model. Added version control, continuous integration, complete documentation, and unit and integration tests, and identified bugs within the software.

## Skills

**Languages**: Python, Go, Java, SQL, Bash, JavaScript, HTML, CSS, C, C#, C++, PHP, Scala, SML, Racket

**Tools/Platforms**: Git, Jenkins, Travis CI, Maven, Gradle, PostgreSQL, SQLite, Redis, Amazon EC2

**Frameworks**: Polymer, Android, Akka

## Awards

**Department of Computer Science USRA**:                                        *Summer 2015*
**Department of Computer Science USRA**:                                        *Summer 2014*
**University of Saskatchewan Novice Programming Contest Champion**:              *Fall 2013*

## References

References redacted for web version.