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## SUMMARY

### Overview

- New graduate from the University of Waterloo
- Completed 7 programming internships, each four months long
- Many independent programming projects, see [github.com/thurn](http://github.com/thurn)

### Programming Languages

- Significant professional experience (4+ years) with Python and Java
- 3 years experience with JavaScript (including jQuery and ExtJS)
- Some experience (2 years) with Ruby and C++
- Functional programming apologist; proficient with Clojure and Haskell

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## INTERNSHIPS

### Facebook Groups Team

- Coded several upcoming Facebook Groups features (in PHP)

### Facebook ETL Team

- Built high-volume data pipelines with Python and SQL

### Primal

- Wrote Python code for several core user-facing web applications

### Amazon

- Coded a Java-based web front-end for a monitoring service

### Sybase

- Developed production code for the Sybase IQ database query engine

### Research in Motion

- Built a visual diagnostic tool for the BlackBerry 3G team

### CaseWare

- Proposed and coded a JavaScript automated testing framework

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## PROJECTS

- Implemented a compiler in Python for a substantial subset of Java
- Wrote a blog engine in Clojure based on Google App Engine
- Worked with a group to implement a Rails-based tournament system
- Wrote a recursive-descent parser for Java 1.4 in Haskell
- Produced designs for the user interface research of Prof. Michael Terry
- Wrote Alloy code for modeling Java Collections with Prof. Derek Rayside

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## INTERESTS

- Writer of fortnightly algorithm column for math society newspaper
- Software Engineering Class of 2011 Academic Representative
- Founded Software Engineering newsgroup
- Waterloo Speech and Debate team, competed internationally

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## EDUCATION

- Bachelor of Software Engineering
- University of Waterloo, Waterloo, Ontario, Canada. (2006–2011)