

# Jake Besworth

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## School Address

50 Stone Road East, Guelph ON, Canada - N1G 2W1

## Home Address

Georgetown ON, Canada  
jakebesworth@gmail.com

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## Programming

- **C, Make** Advanced experience writing full software systems, video games, libraries, parsers, and operating system simulation programs
  - **Java** Intermediate experience including class design, polymorphism, inheritance encapsulation, Abstract Window Toolkit, and Swing
  - **Legacy** Experience with Fortran (IV, 77, 95), Ada (95), COBOL, and M68000 Assembly
  - **Scripting** Projects including Perl back-end, Python Cron jobs, and Bash installers
  - **Web** Advanced experience using PHP, SQL (Informix, MySQL and PostgreSQL), CSS3, HTML5, Javascript (jQuery, AJAX, Node.js), Git, SVN, and GNU/Linux
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## Experience

### Web Application Developer at *Adknown Inc.*

September 2015 to December 2015

Worked on dozens of WordPress sites, wrote advanced user tracking softwares, wrote highly efficient cron job scripts, and worked on tools wrapping Amazon Web Services

### Software Developer at *Dainty Foods*

May 2015 to August 2015

Worked primarily on Synapp2 to Alfresco Community and IBM Informix DS database engine integration as well as other smaller development projects

### Kitchen Steward / Assistant

January 2013 to September 2014

Kitchen at Glen Cairn Golf Club in Milton Ontario, prepared food, cleaned dishes

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## Education

### *University of Guelph*

Bachelor of Computing, Software Engineering

Expected to Graduate 2018

### *Georgetown District High School - Honours*

Graduated 2013

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## Designs

### Dialogc Development Environment

Design and implementation of a development environment and GUI builder language. C analyzer and parser library (JNI), editor development environment written in Java, Bash installer script

### Python Graphing Calculator

Team project demonstrating a Test Driven Development cycle as well as specification restrictions in which a class-less, library restricted Python design was implemented

### Synapp2 Integration

Development with free and open source software project Synapp2. Feature implementation, documentation, IBM Informix Dynamic Server software communication, and Alfresco Community ECM plugin integration. Design and development of back-end application generating code, user-level decision-making, and additional data queried business report functionality

### uMinimal

Designed and developed an API-less Youtube web application. The free and open source project uses PHP, Javascript, CSS, and MySQL to build a dynamic video feed by scraping youtube channels, and offers a user controlled RES themed experience.

*<https://github.com/jakebesworth>*

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## Interests

### Graphic Design

Website design and style, banners, photo restorations, business cards; GIMP

### Other Activities

Competitive foosball, code golfing, teaching programming, and an interest in free and open source software projects

### Video Game Design

Designing game frameworks as well as the designing of audio and visual assets for platform, RPG, and rogue-like games; GML, C, Java