

# GRANT BAKKER

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## Skills

- Fluent in C, C++, C#, Java, Javascript
- Fluent in Perl, Python, Bash and Batch scripting
- Familiar with Windows and Linux environments

## Work Experience

- Software Developer, **Arista Networks Inc.**  
January 2014-April 2014, Santa Clara, California
  - Improved and developed new features for power controllers used in high performance switches
  - Added a range of tests and simulations for new features and existing code
  - Gained experience with attribute-oriented programming and test driven development
- Software Developer, **Magnet Forensics Inc.**  
May 2013-August 2013, Waterloo, Ontario
  - Developed new forensic features in C# as part of a dynamic startup team
  - Created new server product from scratch in Javascript using node.js
  - Gained experience with asynchronous, event-driven programming
  - Updated and contributed to open source AMQP library
- Software Display Driver Developer, **AMD Inc.**  
Sept 2012-Dec 2012, Markham, Ontario
  - Worked on updating and improving the AMD graphics driver
  - Developed cross-platform kernel level code for abstracting displays
  - Gained experience with Windows kernel debugging and large scale development cycles
- Firmware Engineer, **Evertz Microsystems Ltd.**  
Jan 2012-Apr 2012, Burlington, Ontario
  - Worked on professional grade video card with interrupt driven, real-time C++ programming
  - Added new packet handling request from NASA
  - Gained experience with prototype modification

## Education

- University of Waterloo, Electrical Engineering
  - Ranked second in 1B Electrical Engineering class
  - Ranked first in 2A Electrical Engineering class
  - Dean's Honour List: 1B, 2A and 3A terms