GRANT BAKKER

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Projects

- **BRAMQP**
  github.com/bakkerthehacker/bramqp
  - AMQP client for Node.js
  - Dynamically loaded specification allows access to all AMQP methods

Work Experience

- Software Developer, Spam Team, **Yelp Inc.**
  August 2014-December 2014, San Francisco, California
  - Developed new template Spam detection using Nilsimsa hashes
  - Optimized fuzzy hash lookup with partially matching bloom filters
  - Implemented Kafka tailer to upsert messages into Amazon RDS instance

- 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 programing 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 programing
  - Updated and contributed to open source AMQP library

- Software Display Driver Developer, **AMD Inc.**
  September 2012-December 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

Education

- University of Waterloo, Electrical Engineering
  Graduated with a BASc in June 2015
  - Dean's Honour List with Distinction