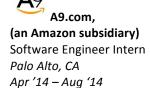
Kevin Jordan

Wong

Data Mining, Machine Learning and Computer Security

Work Experience



- Analyzed the performance of edge case queries within Amazon's machine learned ranking models to identify areas of potential optimizations
- Developed language and data processing modules to create new model training features that optimized the ranking performance of edge case queries by 4%
- Technologies used: Python, Hadoop, Piq, Vim, Git, UNIX



Tangam Systems Inc. Software Developer Intern Waterloo, ON Sep '13 - Dec '13

- Reduced the run time of a statistical database analysis application from 7 hours to 2 hours (72%) by implementing a data caching algorithm in C#
- Resolved 3 high-impact critical bugs in the front-end web interface of the company's flagship product, which was then promptly shipped to customers
- Technologies used: C#, SQL, JavaScript, TortoiseSVN



BBM Canada Software Developer Intern Toronto, ON Jan '13 - Apr '13

- Designed and implemented a fully functional MVC-structured internal website for analysts to access and manipulate data in distributed SQL databases
- Technologies used: C#, SQL, JavaScript, HTML, CSS

Side Projects

Research Assistant University of Waterloo Prof. Vijay Ganesh, PhD Apr'14 - present

Working with Prof. Ganesh to examine the possibility of creating an automated system to detect security bugs such as Heartbleed

Trending Music Widget A9 Intern Hackathon July '14

- Processed a live stream of Twitter data to filter out songs from tweets using natural language processing techniques
- Developed a ranking function using a custom algorithm based on Tweet counts and time decay
- Created a simple and clean widget in JavaScript to display the top trending songs on the Amazon Digital Music web store

UW Student Hub PennApps Hackathon Feb '14 [GitHub Link]

- Developed algorithms to automatically mine personalized student data from uWaterloo's affiliate websites, using uWaterloo credentials
- Designed a website deploying these algorithms to aggregate all of a student's data in one convenient place

Contact

kevin.jwong85@gmail.com (647) 802-5293 www.kevinjwong.com

Software Skills

Java [4 years] Python [2 years] SQL [3 years] C# [3 years] C/C++ [1 year]

UNIX and Windows development experience

Experience with version control systems such as Git and TortoiseSVN

Education

University of Waterloo

GPA: 3.7 Sept '11 – present

Candidate for: BASc, Computer Engineering,

Management Science Option

Relevant Waterloo courses:

95%: Algorithms and Data Structures 95%: Compilers

93%: Programming Fundamentals

88%: Digital Computers 80%: Operating Systems

Massively Open Online Courses,

Via Udacity.com and Coursera.org

- -Machine Learning
- -Intro to Hadoop and MapReduce
- -Cryptography
- -Interactive Programming in Python [GitHub link to Python games]

Activities/Interests

Sigma Chi Fraternity

Vice President, Apr '13 - Apr '14 Recruitment Chairman, Sep '12 Waterloo, ON

Dynamic Trinity Academy

Taekwondo Instructor Toronto, ON, Apr'12 - present