Andy Vuong

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EDUCATION

University of Illinois at Urbana-Champaign
College of Engineering: **B.S. Computer Science (May 2017)**
Coursework: Discrete Mathematics, Data Structures, Computer Architecture, Systems Programming, Text Information Systems (Sp'15), Database Systems (Sp'15), Numerical Methods (Sp'15), Probability and Statistics in CS (Sp'15)

SKILLS

Languages: { Java, Python, C++, C, HTML, CSS, SQL, JavaScript , R }
Technology: { Apache Solr, Apache Nutch, Elasticsearch, MongoDB, Node.js }

EXPERIENCE

John Deere - IT Intern, Solution Architecture Team   **June 2014 - present**
- Worked full-time during the summer and part-time during the school year as part of a one year internship to develop search solutions with Apache Solr and Apache Nutch to meet business requirements.
- Developed a full interface web search application in JavaScript with Apache Solr at its core and identified best practices and implementations for search relevancy which were utilized in production.
- Developed Java plugins for Apache Solr and Apache Nutch to skip scanned pdf documents in order to speed up the document indexing process on solr servers and control the data served on a search client.
- Developing an application that provides better analytic capability of data production processes for solr search indexes.

University of Illinois - Research Assistant   **March 2014 - September 2014**
- Assisted Ph.D computer science candidate in a human-based study exploring the Facebook News Feed curation algorithms and their effects on user experience using an application called FeedVis and the open coding research method to formulate concepts and theories.
- Co-author on academic conference paper accepted at SIGCHI 2015.

Northwestern University Law School - Summer Computer Technician   **June 2013 - August 2013**
- Single-handedly deployed new computers to three school departments.
- Answered faculty and staff support tickets relating to malware removal and software troubleshooting.

PROJECTS

Bio Sight
- A vertical search engine for medical symptoms and illness.

Grammatica - WildHacks Hackathon Project
- A NLP web application built on the M.E.A.N. stack integrated with IBM's Bluemix.

Code Texters - Boilermake Hackathon Project
- SMS-based application that sends users programming related questions.

Flick - IEEE@UIUC Hackathon Project
- An Android app that allows users to share mobile browser pages with a Chrome extension.

Watch Tower
- An application that allows users to share geographical location within private community networks.

ACHIEVEMENTS/ACTIVITIES

Association of Computer Machinery (ACM): Webmonkeys, SIGBio
University of Illinois at Urbana-Champaign - James Scholar