

Andy Vuong

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EDUCATION

University of Illinois at Urbana-Champaign

B.S. Computer Science (May 2017) | James Scholar

Relevant Coursework: Data Structures, Computer Architecture, Systems Programming, Text Information Systems, Database Systems, Algorithms, Distributed Systems, Web Programming, Social Visualization, Programming Studio

SKILLS

Languages: Java (proficient), JavaScript, Python, C, HTML5, CSS3, SQL

Technology & Tools: D3.js, JUnit, Node.js, AngularJS, MongoDB, Git, Apache Solr, Elastic, Vagrant

EXPERIENCE

Salesforce.com

Beginning May 2016

Software Engineering Intern

- Search Team

Visa Inc.

May 2015 - August 2015

Software Engineering Intern

- Developed a feature for the CyberSource payment gateway platform that allows any merchant using the CyberSource API to reroute their ecommerce transactions in the event that their payment processor is down.
- Designed a process to scale the feature to over 50 payment processors.
- Developed an API request modification utility using JAXB and conducted regression tests using automated test tools.

John Deere

June 2014 - April 2015

Student Developer

- Implemented a web search application using JavaScript and Apache Solr for search relevancy research.
- Improved search relevancy for an internal search application.
- Developed Java plugins for Apache Solr and Apache Nutch to detect scanned documents and subsequently speed-up the document indexing process by skipping those documents.

University of Illinois

March 2014 - September 2014

Research Assistant

- 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.
 - Co-author on an academic conference paper that won a Best Paper Award at SIGCHI 2015.
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PROJECTS

Speech Analyzer

- A data visualization used to explore patterns in famous speeches by comparing sentiment, loudness, and pitch of the speakers.

Scribe

- A receipt and budgeting application that processes receipts captured by a camera. Node.js, MongoDB and Tesseract OCR are the foundation of the backend. A mobile app was developed using the ionic framework and a web app was built with AngularJS.

Safe Route Recommender

- A web app that allows a user to generate the statistically safest walking path between two locations on the University of Illinois's campus.
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PUBLICATIONS

- M. Eslami, A. Rickman, K. Vaccaro, A. Aleyasen, **A. Vuong**, K. Karahalios, K. Hamilton, and C. Sandvig. " 'I always assumed that I wasn't really that close to [her]': Reasoning about Invisible Algorithms in News Feeds ", Human Factors in Computing Systems Conference (CHI), 2015. [**Best Paper Award**]
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ACTIVITIES / AWARDS

- SIGBIO, SIGIR, Hackathons (HackIllinois, VandyHacks, PennApps)
- Feng Chen Memorial Award 2015
 - Recognizes students who are first authors on a paper that has won a best paper award.