

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

SKILLS

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

Technology & Tools: JUnit, Node.js, AngularJS, Git, Vagrant, Apache ZooKeeper, Apache Solr

EXPERIENCE

University of Illinois

August 2016 - Present

Course Assistant for CS498: The Art of Web Programming

- Helping students learn basic web concepts and the MEAN stack while supporting course infrastructure.

Salesforce.com

May 2016 - August 2016

Software Engineering Intern

- Developed a consensus protocol to facilitate graceful server shutdown in a Solr HA cluster using Apache ZooKeeper on the Search infrastructure team.
- Developed a search query load balancer to route search requests to least-load server replicas within the same server cluster using Apache ZooKeeper.

Visa Inc.

May 2015 - August 2015

Software Engineering Intern

- Developed a feature for the CyberSource payment platform that allows merchants using the CyberSource API to reroute e-commerce transactions in the event that payment processors were down. Scaled the feature to over 50 payment processors.

John Deere

June 2014 - April 2015

Student Developer

- Improved search relevancy for a Solr-based 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.
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PROJECTS

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.

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.
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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 @ SIGCHI 2015]
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ACTIVITIES / AWARDS

- Illini Hackers & 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.