ANDREW YANG

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EDUCATION

University of Illinois at Urbana-Champaign – College of Engineering   **Champaign-Urbana, IL**
Bachelor of Science in Computer Science   *Aug 2014 – May 2018*
· Relevant Coursework: CS374 Algorithms; CS498 Social and Information Networks; CS225 Data Structures; CS233 Computer Architecture; CS241 System Programming; CS440 Intro to Artificial Intelligence; STAT400 Statistics and Probability.

Lund University   **Lund, Sweden**
Lunds Tekniska Högskola   *Jan 2016 – Jun 2016*
· Studied abroad for the semester of spring 2016.
· Technical courses taken: Computer Vision, Simulation, Projects in Computer Science.

CERTIFICATIONS

· edX Verified Certificate for BerkeleyX CS100.1x Introduction to Big Data with Apache Spark   *July 2015*
· edX Verified Certificate for BerkeleyX CS190.1x Scalable Machine Learning   *Aug 2015*
· edX XSeries Certificate in Big Data   *Aug 2015*

EXPERIENCE

Software Engineering Intern *Google, New York City*   *May 2016 – Aug 2016*
· Implemented the Webapp "DFP Playground" that demonstrated proper usage of the DoubleClick for Publishers API.
· Released the DFP Playground application as open source via GitHub as a blueprint for the DoubleClick API Developer community.
· Authored a blog post about the DFP Playground app on the official Google Ads Developer Blog site.

Software Development Intern *Entrust Datacard, Shakopee, MN*   *May 2015 – Aug 2015*
· Refactored TruCredential's codebase to use the company's foundational libraries for common functionality across product lines.
· Replaced existing Log4J code with Logback code for logging Java classes.
· Gained experience with Spring MVC, Gradle, Jenkins continuous integration, JIRA bug tracking, and Git version control.

Undergraduate Research Programmer *Simulation Lab, CS@UIUC, Urbana, IL*   *Oct 2014 – May 2015*
· Implemented the BracketOdds NCAA March Madness bracket generator using Python, jQuery, and MySQL.
· Bracket generator script generates statistically realistic brackets based on a model devised by Profs. Jacobson and King.
· Configured and deployed the bracket generator to the university's Apache servers, and integrated it with existing static content.

Web Developer *Student Space Systems, Urbana, IL*   *Nov 2014 – Nov 2015*
· Developed the website for Student Space Systems, a technical organization at UIUC.
· Used Node.js and Express.js on backend, used Bootstrap and jQuery on frontend, and deployed the website via Heroku.

SELECTED PROJECTS

Fantasy Smash Bros   *July 2015 – Dec2015*
· Implemented an online fantasy draft for Smash Bros tournaments.
· Initial deployment for the EVO 2015 fighting game tournament attracted over 300 participants.
· Refactored the application architecture to be microservices-based for better scalability and code quality.

PokéPebble, a 2015 BoilerMake project   *Oct 2015*
· Designed and implemented a Pebble watch client for the Pokémon Showdown battle simulator.
· App won the MLH Best Domain.com name prize.

Illinois Founders Club Résumé Book   *Sept 2015 – Dec 2015*
· Helped implement an online résumé book for Founders – Illinois Entrepreneurs, a student entrepreneurship organization.
· Designed the user interface using React.js, and implemented the backend using Node.js, Express.js, and MongoDB.

Beats by ACM   *Sept 2015*
· Contributed to ACM@UIUC's open-source music player, used in the ACM office.
· Added SoundCloud streaming capability and wrote a migration script using Alembic to update the MySQL database schema.

ACTIVITIES

Association for Computing Machinery – UIUC Chapter, *Member*   *Aug 2014 – present*
· Staff member for the 20th annual Reflection | Projections student tech conference.

CS @ ILLINOIS Splash, *Course Instructor*   *April 2015*
· Taught "Intro to Data Analysis Using Python" to 10 prospective and admitted high school students.
· Prepared a REST API handout to accompany the lecture.

SKILLS

Languages: Python, Java, JavaScript, C, C++, Golang, HTML, CSS, Bash
Frameworks & Databases: Node.js, Express.js, Apache Spark, Angular.js, React.js, Flask, jQuery, Bootstrap, MySQL, MongoDB, PostgreSQL, Firebase, Spring MVC
Tools: Git, Sublime, Eclipse, IntelliJ, Linux, Vim, Gradle, Maven, NPM, Apache Tomcat, Jenkins, SVN, Digital Ocean, Heroku, Docker

Foreign Languages: Basic skills in Spanish and Chinese