

ANDREW YANG

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EDUCATION

University of Illinois at Urbana-Champaign – College of Engineering

Bachelor of Science in Computer Science

- Relevant Coursework: Advanced Algorithms; Applied Machine Learning; Text Information System; System Programming; Artificial Intelligence; Statistics and Probability. Distributed Systems; Compilers; Computational Photography; Numerical Methods

Champaign-Urbana, IL

Aug 2014 – May 2018

Lund University

Lunds Tekniska Högskola

- Studied abroad for the semester of spring 2016.
- Technical courses taken: Computer Vision, Simulation, Projects in Computer Science.

Lund, Sweden

Jan 2016 – Jun 2016

EXPERIENCE

Stripe, Software Engineering Intern, San Francisco, CA

May 2017 – Aug 2017

- Implemented a new feature in Stripe API to enable Stripe users to programmatically manage their webhook endpoints.
- Integrated the feature into Stripe's webhook management dashboard with React.js and CoffeeScript.
- Refactored the behavior of live and test data toggle view to be consistent across Stripe dashboard.

Google, Developer Programs Engineering Intern, New York, NY

May 2016 – Aug 2016

- Implemented a web application that demonstrated usage of the Python client for the DoubleClick for Publishers API.
- Open-source released the application, called the DFP Playground, on GitHub for the DoubleClick developer community to view.
- Authored a blog post about the DFP Playground on the official Google Ads Developer Blog.

Entrust Datacard, Software Development Intern, Shakopee, MN

May 2015 – Aug 2015

- Refactored 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, Java, Gradle, Jenkins continuous integration, JIRA bug tracking, and Git version control.

BracketOdds, Programmer, 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.

Student Space Systems, Web Developer, 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 – Dec 2015

- 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.

SnackAttack! The Self-Control Cupboard, a CopenHacks 2016 project

April 2016

- Wrote a Flask server controlling a cupboard that opens only when the user has reached his/her daily FitBit target.
- Part of a four-person team that won third place at CopenHacks 2016.

PokéPebble, a BoilerMake 2015 project

Oct 2015

- Designed and implemented a Pebble watch client for the Pokémon Showdown battle simulator.
- 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 (Association for Computing Machinery)

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 to reach out and organize speakers for the 22nd and 20th annual Reflection | Projections student tech conference.

International Domestic Exchange Ambassador Program, Domestic Ambassador

Aug 2016 – Dec 2016

- Mentoring the first-year international students to the university.

CS @ ILLINOIS Sail, Course Instructor

April 2017

- Taught an introductory-level Python course and an intermediate-level Python course focusing on the Flask framework to 50+ prospective and admitted high school students.
- Released and annotated the class material in GitHub repositories and published a blog post for the students to reference after class.