

Douglas Chau

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EDUCATION

BINGHAMTON UNIVERSITY

BS IN COMPUTER SCIENCE

Expected May 2015 | Vestal, NY

Thomas J. Watson School of Engineering

Dean's List (Cum Laude)

Cumulative GPA: 3.5/ 4.0

LINKS

Github:// [dogless](#)

DevPost:// [dogless](#)

LinkedIn:// [dougjchau](#)

SKILLS

PROGRAMMING

Over 5000 lines:

Python

Over 1000 lines:

Java • JavaScript • HTML • CSS • Shell

Familiar:

C++ • C • Ruby • PHP • \LaTeX

TECHNOLOGIES

Very Comfortable:

Django • Git • Vim

Comfortable:

Android • AWS • Heroku • Codeship

Familiar:

Eclipse • Maven • Rails • Unreal Engine

EXPERIENCE

GOOGLE SUMMER OF CODE 2015

APACHE SOFTWARE FOUNDATION INTERN

May 2015 - Present

- Collaborating with Apache Software Foundation members to implement features to the Airavata PHP web portal such as adding the ability for admins to toggle resource visibility for users.
- Built multiple Python clients to perform various Airavata operations such as creating projects, submitting experiments, and more.
- Wrote a Python wrapper to make developing Python clients cleaner and simpler, effectively reducing the amount of Python boilerplate by ~30 LoC.

DOW JONES & COMPANY

INTERNAL SYSTEMS - SOFTWARE ENGINEERING INTERN

June 2014 - Aug 2014 | New York, NY

- Built a business intelligence web application used to visualize and explore internal database on company & employee metrics (dataset size in the order of terabytes).
- Customized and extended open source libraries such as NVD3.js and Chosen.js to support the requirements of the application.
- Code was reviewed and pushed to production.

DOW JONES & COMPANY

INFORMATION SECURITY - SOFTWARE ENGINEERING INTERN

June 2013 - Aug 2013 | New York, NY

- Built a web application as a proof of concept for a potential product that Dow Jones can offer its customers on its new platform.
- Adapted and quickly learned new technologies; worked extensively with Python, JavaScript, the Django web framework, relational databases, Amazon Web Services (AWS), and Github.
- Gave demos of final product to the CEO, CIO, managers, and other members of the Dow Jones company.

RECENT PROJECTS

FEUD | "FAST FINGERS" HTML5 TYPING GAME

<http://devpost.com/software/feud>

- HTML5 game inspired by the game show, "Family Feud."
- Developed the in-game logic and specific game states such as: Round State, Game Over State.
- Worked closely with team's UI designer to construct the game levels.

NEIGH | ENDLESS RUNNER HORSE-RIDING SIMULATOR

<http://devpost.com/software/neigh>

- Developed an asinine endless runner on the Unreal Engine 4 platform.
- Used the Leap Motion to capture hand gestures and the Oculus Rift to provide an immersive virtual reality experience.

AWARDS

2014	2 nd Place	Big Red Hacks, Cornell University
2014	Best Design	HackBU, Binghamton University