A L B E R T   G U O

albert@innoblue.org | (484)-252-6781 | http://guozhaonan.github.io

EDUCATION

THE PENNSYLVANIA STATE UNIVERSITY, UNIVERSITY PARK • Bachelor of Science, Energy Business Finance and Statistics (2018)

WORK

Software Engineering Intern • *Locus Energy/Genscape, Summer 2016*
- Created an internal dashboard to display and analyze Locus's sales data with D3 visualizations and tables by collaborating with the engineering team's technical specification
- Contributed to an open sourced project called Ember Sparkles which uses D3.js to create a library of charts and tables that developers can implement in just a few lines of code
- Tech Used: Git, D3.js, Ember.js, Node.js, Flask

Fellow • *PennApps Fellows Program, Summer 2014*
- One of eight students selected to participate in the inaugural year of the PennApps Fellows program
- Created a health app to make organizing pickup games easier for the residents of Philadelphia
- Tech Used: MEAN Stack (Site+Survey), Ruby on Rails, Git, PostgreSQL, Heroku, Bootstrap

Software Engineering Intern • *Socialie Apps LLC, Summer 2014*
- Built analytical social media tools using Twilio and Twitter that social media managers use to manage and automate clients' tweets
- Tech Used: Java, Java Server Pages, Maven, Git, HTML, CSS, Javascript, JQuery, Bootstrap

HACKATHON PROJECTS

Toast Printer • *HackNY Spring 2016, 2nd Place,* **bit.ly/toastprint**
- Built a toaster that uses trigonometry to toast images onto bread by a disassembled toaster
- Tech Used: Python, PIL, Arduino Uno, Git, A cheap $15 dollar toaster

Construct • *Civitas Student Success Hackathon*, *2nd Place,* **bit.ly/construct**
- Created an app that teaches students about subjects in a project based setting
- Tech Used: Ruby, Ruby on Rails, SQLite, Git, Twitter Bootstrap

LectureGauge • *HackDuke Fall 2014, Featured on Coursera's Tech Blog,* **bit.ly/lecturegauge**
- Created an app that allows professors in large lecture halls to collect real-time feedback on how students are understanding the material being presented
- Tech Used: React.JS, HTML, CSS, Yeoman, Twitter Bootstrap, Git, Firebase

ACTIVITIES

Data Analyst and Project Lead • *Nittany Data Labs, 2015 - Present*
- Lead data collection from the university and outside corporations that approach NDL (ex: Cosmopolitan Magazine) and create projects with large datasets for the university and outside corporations
- Work with developers and designers to develop data visualizations and informed analyses
- Implement Neural Networks and Deep Learning algorithms with Python and scikit-learn

Co-Director • *StartNYC, 2015- Present*
- Organized a tour to NYC to expose students to entrepreneurship and innovation (http://startnyc4.me)
- Startups include: Buzzfeed, Genius, MongoDB, DigitalOcean, TinyBop, Livestream, and MLH

Director • *HackPSU, 2014-2015*
- Led a 20 person team to organize a 400-500 person hackathon with an emphasis on learning
- Raised roughly $30K from corporate sponsors
- Taught up to 200 people on a variety of technical topics the week leading up to and during HackPSU
- Coordinated across multiple departments in the university to meet benchmarks and goals