

# ALBERT GUO

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## EDUCATION

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

## WORK

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### **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, wrote unit and CI tests
- 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

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### **Toast Printer • HackNY Spring 2016, 2nd Place, [bit.ly/toastprint](http://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/constructhack](http://bit.ly/constructhack)**

- 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](http://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

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### **Data Analyst and Project Lead • Nittany Data Labs, 2015 - 2017**

- Lead data collection from the university and outside corporations that approach NDH (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- 2017**

- 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