

# Jamie Liao

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## EDUCATION

### Rutgers University- New Brunswick

Sep 2014 - May 2018

- B.S. Computer Science
- Classwork: Data Structures, Graduate Algorithms, Internet Tech, Distributed Systems
- C. Greg Hagerty, PhD Endowed Memorial Scholarship in CS

## EXPERIENCE

### Chartbeat, Backend SWE Intern

May 2017 - Aug 2017

- Created MySQL model and CRUD Django APIs to manage subscriptions for **100s** of clients
- Designed dev pipeline for PostgresDB worker to delete old table entries; deployed using Mesos/Aurora and maintained with Pants
- Collaborated on connecting Django APIs with REACT/Redux
- Created unit tests with Python's Mock library for various APIs

### Open System Solutions, Student Systems Administrator Intern

Jan 2017 - May 2017

- Worked on small team to design and develop open source software, like Shrunk
- Set up: LEMP stack with SSL Cert served from user's home directory, a new CentOS 6 service, a new logrotate service, NFS server, and rsync server

### HackRU, co-Executive Director

Jun 2017 - Present

- Oversee all related activities for Rutgers' 24-hour biannual hackathon with **600+** students
- Manage and ensure communication among 30 person organizing team
- Maintain **\$130,000** annual budget

### Learning Center, Study Group Leader

Sep 2016 - Present

- Teach weekly study groups in Intro to CS and Data Structures to **40** students
- Encourage new CS students to get more involved with the greater CS community

## PROJECTS

### Descartes, June 2017

- Compiled Python whiteboard code via phone picture that separated Python code line-by-line to more accurately convert handwriting to text (Flask, Microsoft Azure, iOS, Node.js)

### ClappyBird, April 2017

- Sound activated Flappy Bird (pygame and pyaudio)

### Shrunk: Rutgers Official URL Shortener, April 2017

- Designed APIs to support user CRUD for creating shortened URLs (MongoDB and Flask)

## SKILLS

### Proficient

- Java and Python
- Flask/Django
- Git version control and bash

### Familiar

- C, HTML/CSS, SQL, MongoDB, Javascript
- REACT/Redux
- Debian and Red Hat Linux