

# Mac Chaffee

GitHub & GitLab: mac-chaffee  
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## EDUCATION

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### North Carolina State University

GPA: 4.0

Bachelor of Computer Science  
Anticipated December 2019

### Elective Courses

- Cloud Computing, Networking, Software Security, and Data Analysis

## EXPERIENCE

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### Software Engineering Intern at Inmar

2018-2018

- Built a scalable and fault-tolerant chat bot that processes rebates
- Improved .NET build times by 38%
- Learned C#, AWS, Python, Docker, and OpenCV (Computer Vision)

### Software Engineering Co-Op at Honeywell

2016-2017

- Built the data pipeline of a \$100M application that detects electricity theft
- Sped up tests 3.5x while increasing coverage by 20%
- Optimized our most common query to be 13x faster
- Learned Python, Django, Kubernetes, Celery, and SciPy

## PERSONAL PROJECTS

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### Hackathon Award Winner ([github.com/mac-chaffee/pachkacks2019](https://github.com/mac-chaffee/pachkacks2019))

Apr 2019

- Built an app that reminds you to use your gift card when you walk into a store
- Won 3<sup>rd</sup> place overall
- Learned about Android development and Google APIs

### CrowdSort ([gitlab.com/mac-chaffee/crowdsort](https://gitlab.com/mac-chaffee/crowdsort))

Jan 2018

- Developed a satirical website where users sort random data
- Learned Elixir (functional programming), Phoenix, and WebSockets

### Hackathon Entry ([gitlab.com/mac-chaffee/vrm](https://gitlab.com/mac-chaffee/vrm))

Nov 2017

- Built an Alexa skill to monitor server CPU and RAM usage
- Learned Go, Python, Lambda, and DynamoDB

### Hackathon Award Winner ([github.com/mac-chaffee/candidata](https://github.com/mac-chaffee/candidata))

Oct 2016

- Designed a site that compares political candidates using data from three APIs
- Won the prize for "Coolest Web App"

### Small Business Website ([github.com/mac-chaffee/asapt-site](https://github.com/mac-chaffee/asapt-site))

Oct 2016

- Built a website to a client's specs and a designer's mockup
- Learned PHP, CSS, WordPress, and MySQL

### NCSU Menu Notifier ([ncsu-mn.com/about](https://ncsu-mn.com/about))

Aug 2016

- Architected a site to text notifications about dining hall menus
- Pitched the website to the director of NC State Dining
- Implemented high code coverage, test-driven development, CI, and CD