

# 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

## 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 \$100 million 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

## SKILLS

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**Proficient**      Python • C#

**Familiar**        JavaScript • Java • Elixir • C • SQL • Go

**Other Tools**    AWS • Docker • Kubernetes • Agile • Lean Six Sigma (Yellow Belt)

## PERSONAL PROJECTS

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**CrowdSort** ([gitlab.com/mac-chaffee/crowdsort](https://gitlab.com/mac-chaffee/crowdsort)) ..... Jan 2018

- Satirical website where users sort random data
- Learned Elixir (functional programming), Phoenix, and JavaScript WebSockets

**Hackathon Entry** ([gitlab.com/mac-chaffee/vrm](https://gitlab.com/mac-chaffee/vrm)) ..... Nov 2017

- Alexa skill which monitors the CPU and RAM usage of a cluster of servers
- Learned Go, Python, AWS Lambda, and DynamoDB

**Hackathon Award Winner** ([candidata.herokuapp.com](https://candidata.herokuapp.com)) ..... Oct 2016

- Website that compares political candidates using data from three different APIs
- Won a prize for “Coolest Web App”
- Learned Python, Django, CSS, PostgreSQL, and Heroku

**Website for a Small Business** ([github.com/mac-chaffee/asapt-site](https://github.com/mac-chaffee/asapt-site)) ..... Sep 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

- Texts students when the dining hall is serving their favorite dishes
- Implemented High code coverage, test-driven development, CI and CD
- Learned Python, Django, PostgreSQL, Heroku, d3.js, GitLab CI, and Twilio