

Mac Chaffee

GitHub & GitLab: mac-chaffee

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EDUCATION

North Carolina State University GPA: 4.0

Bachelor of Computer Science

Anticipated December 2019

EXPERIENCE

Software Engineering Intern at Inmar 2018-2018

- Project: Scalable and fault tolerant chat bot that processes rebates
- Integrated with existing products to drive revenue
- Improved .NET build times by 38%
- C#, AWS, Python, Docker, and OpenCV (Computer Vision)

Software Engineering Co-Op at Honeywell 2016-2017

- Projects: \$100 million application that detects electricity theft and a usage dashboard
- Sped up tests 3.5x while increasing coverage by 20%
- Optimized our most common query to be 13x faster
- Python, Django, Kubernetes, Celery, and SciPy

SKILLS

Proficient Python • C#

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

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

PERSONAL PROJECTS

CrowdSort (gitlab.com/mac-chaffee/crowdsort) Jan 2018

- Satirical website where users sort random data
- Used to learn functional programming and zero downtime deployment
- Elixir, Phoenix, and JavaScript

Hackathon Entry (gitlab.com/mac-chaffee/vrm) Nov 2017

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

Hackathon Award Winner (candidata.herokuapp.com) Oct 2016

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

Website for a Small Business (github.com/mac-chaffee/asapt-site) Sep 2016

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

NCSU Menu Notifier (ncsu-mn.com/about) Aug 2016

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