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
- 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

SKILLS

Proficient	Python • C#
Familiar	JavaScript • Java • Elixir • C • SQL • Go
Other Tools	AWS • Docker • Kubernetes • Agile • Lean Six Sigma (Yellow Belt)

PERSONAL PROJECTS

CrowdSort (gitlab.com/mac-chaffee/crowdsort) — Jan 2018
- Satirical website where users sort random data
- Learned Elixir (functional programming), Phoenix, and WebSockets

Hackathon Entry (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) — 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) — 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) — 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