

# Mac Chaffee

GitHub & GitLab: mac-chaffee  
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## EXPERIENCE

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### Software Engineer at Cisco May '19-Present

- Developed and maintained 5 of our 23 microservices (Python, Golang)
- Administrated several business-critical Kubernetes clusters and Jenkins workers
- Implemented security compliance via Secure Software Development Lifecycle
- Awarded for:
  - Finding and fixing a critical security bug
  - Rapidly fixing several production issues
  - Training others in my area of expertise
  - Delivering a new deployment model to our largest customer in 1 month

### Software Engineering Intern at Inmar Summer '18

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

### Software Engineering Co-Op at Honeywell May '16 (1 year)

- Built the data pipeline of a \$100M web app that detects electricity theft
- Optimized our most common query to be 13x faster
- Learned Python, Django, Kubernetes, Celery, and SciPy

## PERSONAL PROJECTS

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### Home Lab Kubernetes Cluster ([gitlab.com/mac-chaffee/homelab](https://gitlab.com/mac-chaffee/homelab)) Jun '20

- Deployed a 3-node, bare-metal Kubernetes cluster on my home servers
- Maintained my own GitLab instance and my own HA domain name servers

### Hackathon Award Winner ([github.com/mac-chaffee/packhacks2019](https://github.com/mac-chaffee/packhacks2019)) May '19

- Built a location-based app in 24 hours that reminds you to use your gift cards
- Won 3rd place overall out of over 100 submissions
- Learned about Android development and Google APIs

### CrowdSort ([gitlab.com/mac-chaffee/crowdsort](https://gitlab.com/mac-chaffee/crowdsort)) Jan '18

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

### NCSU Menu Notifier ([ncsu-mn.com/about](https://ncsu-mn.com/about)) Aug '16

- 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, and CI/CD

## EDUCATION

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### North Carolina State University GPA: 4.0

- Bachelor of Computer Science Class of 2019