

Mac Chaffee

GitHub & GitLab: mac-chaffee
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EXPERIENCE

Software Engineer at Cisco May '19-Present

- Lead the charge for improving our architecture and our processes
- Implemented security compliance via Secure Software Development Lifecycle
- Developed and maintained 7 of our 23 microservices
- Administered several 11-node, multi-master Kubernetes clusters
- Awarded "Connected Recognition" for fixing a critical security bug

Software Engineering Intern at Inmar May '18-Aug '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-Dec '17

- 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

Home Lab Kubernetes Cluster (gitlab.com/mac-chaffee/homelab) Jun '20

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

Hackathon Award Winner (github.com/mac-chaffee/pachkacks2019) May '19

- Built an app that reminds you to use gift cards when you walk into a store
- Won 3rd place overall out of over 100 submissions
- Learned about Android development and Google APIs

CrowdSort (gitlab.com/mac-chaffee/crowdsort) Jan '18

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

Hackathon Award Winner (github.com/mac-chaffee/candidata) Nov '16

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

NCSU Menu Notifier (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

North Carolina State University GPA: 4.0

- Bachelor of Computer Science Class of 2019