Mac Chaffee

GitHub & GitLab: mac-chaffee
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EXPERIENCE

Cloud DevOps SysAdmin at RENCI   Jul '21-Present
- Modernized our Kubernetes infrastructure to support researchers

Software Engineer at Cisco   May '19-Jul '21
- 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:
  - 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
- 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
- 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 on my home servers
- Maintained my own GitLab instance and my own HA domain name servers

Hackathon Award Winner (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)   Jan '18
- Developed a satirical website where users sort random data
- Learned Elixir, Phoenix, and WebSockets

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