

James "Chip" Thrasher

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*I'm a motivated student, passionate about learning & building useful tools that interface with my everyday life.
Looking for summer 2025 internship opportunities in software engineering.*

Education

North Carolina State University, Raleigh, NC (01/2023 to 12/2025)

Bachelor of Science, Computer Science

- Student Ambassador: representing Computer Science department at engagement events & tours
- Transfer Advisory Board: representing transfer students to College of Engineering leadership

Durham Technical Community College, Durham, NC (08/2021 to 12/2022)

Associate in Science, Computer Science

Work Experience

Teaching Assistant, North Carolina State University, Raleigh, NC

08/2024 to present

- Leading a weekly lab in 200-level software development and hosting regular office hours
- Teaching object-oriented programming, debugging, problem solving, and project management skills

Site Reliability Engineer Intern, Pearson, Durham, NC

06/2024 to 08/2024

- Migrated CI/CD processes for from Jenkins to GitHub Actions used by 25+ products
- Decreased build compute cost by 50% by integrating GitHub Actions with Kubernetes (EKS) runners on ArgoCD
- Gained expertise in containerization, cloud infrastructure automation with Terraform, and DevOps principles
- Documented process extensively, enabling team to continue project after internship

Software Engineer Intern, Pearson, Durham, NC

06/2023 to 08/2023

- Developed enhancements for chatbot in ServiceNow and JavaScript, used by more than 20,000 employees
- Drove 5% reduction in internal support costs by implementing machine learning intent classification
- Created & presented proof of concept for automated ticket resolution workflow for common user issues
- Presented business value of internship project to VPs and C-suite leadership
- Gained critical collaboration skills working on high-performing, cross-functional technical teams

Career Fair Coordinator, North Carolina State University, Raleigh, NC

02/2023 to present

- Leading a team of 5 student workers for a career fair with over 6,000 biannual attendees
- Implementing process improvements ensuring seamless year-round administrative operations
- Built an inventory order calculator in Excel that decides how much is needed based on previous statistical data

Personal Projects

Interactive Transportation Map (nelt.chipthrasher.com)

- Built the equivalent of Google Maps for a Minecraft server's transportation network using Leaflet.js and JavaScript
- Designed beautiful, usable UI in CSS from extensive user feedback
- Integrated app with Google Sheets, enabling self-service for contributors and saving 90% of maintenance time
- Configured cache system with CloudFront, S3, Lambda, and CloudWatch EventBridge, reducing load times by 95%

Coffee Maker (Full-Stack Web App)

- Developed a virtual storefront in React & Java/Spring Boot for a coffee shop to manage inventory, make recipes
- Used Axios library to interface with REST API endpoints for seamless integration with MySQL database
- Wrote automated tests with JUnit, deployed project with Node.js (npm)

Game Intelligence Script

- Wrote Python script & basic web app to visualize Minecraft log output, automating a tedious manual process
- Utilized Regex & math to parse logfile into useful numeric data, to be visualized by frontend

Technical Skills

AWS + Cloud Practitioner Certification (EC2, SQS), TypeScript, C, Unix, Shell Scripting (Bash), Microsoft Excel, Data Structures & Algorithms, Basic Networking, Technical Communication