Jeffrey Terry
Software Engineer

🌐 **jeffterry.org**   ⬡ **github.com/JeffreyTerry**

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LANGUAGES & SKILLS

Languages
Proficient — Python, TypeScript, JavaScript, Java, HTML/CSS

Comfortable — Bash, C++, C, C#, Ruby

Familiar — Perl, Haskell, Scheme, Swift

Spoken Languages — Spanish (conversational)

Select Frameworks & Technologies
Proficient — AWS + CDK, PostgreSQL, Django, Docker, React, NextJS, Redux, Jest, Material UI, Bootstrap

Comfortable — Terraform, Databricks, PySpark, Kafka, Rails, NodeJS, AngularJS, EmberJS, JQuery

EDUCATION

Ohio State University   2018–2020
MA in Digital Media Studies   **4.0 GPA**
- Studied **software usability**, **science fiction**, and **the history of technology**.
- Thesis: "Presly: A Digital Tool for Improving Student Presentations." Live link.

University of Oklahoma   2013–2018
BA in **Mathematics** & BA in **English**   **3.96 GPA**
Computer Science Minor (10 CS Courses)
Summa Cum Laude

WORK EXPERIENCE

Spade (YC W22) (Remote, US) — Senior Software Engineer   June 2022 – Present
- Implemented much of our core business logic, infrastructure, and testing + deployment strategy, achieving >99.999% uptime and latencies under 25ms (P99) and 50ms (P99.99)—10x lower than competitors.
- As the first engineering hire, I helped to establish, encourage, and embody healthy team values such as embracing failure, promoting ownership, and bringing joy to the journey.
- Designed and/or advised on the design of the majority of our tech stack, including the application code, infrastructure, dev tooling, data pipelines, CI/CD pipelines, docs, demo site, logging/monitoring, and more.

Concertiv (New York City, NY) — Senior Software Engineer   June 2021 – June 2022
- In my first 90 days: Implemented 30 user stories, fixed 10+ bugs, and performed 5 security audits, which accelerated the release of the previous generation platform to external customers by 4 months.
- Designed and executed a recruitment strategy to hire 2 engineers in 2 months.
- Led the development of Concertiv's next generation B2B product procurement platform.

AskMe Learning (Norman, OK) — Software Engineer   December 2020 – May 2021
- Built a web platform from the ground up to allow students to find and register for online classes.
- Generated $3500+ of revenue within the first year of the platform's operation.

Ohio State University (Columbus, OH) — Graduate Fellow / TA   August 2018 – December 2020
- Taught first-year composition while studying software usability, science fiction, and the history of technology.
- Rated "good" to "excellent" by >80% of my students.

OU Honors College Writing Center (Norman, OK) — Writing Tutor   August 2016 – May 2018
- Read and critiqued sixty papers each semester and provided actionable feedback during 1-on-1 sessions.

Microsoft (Seattle, WA) — Software Engineering Intern   May 2016 – August 2016
- Built a system that allowed engineers running A/B tests on user interfaces to see results in real-time.
- Wrote jobs for Cosmos (Microsoft's internal MapReduce tool) to analyze user behavior data at scale.
- Built a website in my free time to help co-workers find campus micro-kitchens (coconut.jeffterry.org).

National Instruments (Austin, TX) — Software Engineering Intern   May 2015 – August 2015
- Committed and documented over 2000 lines of high-quality code across seven different projects.
- Played a critical role in shipping NI's Software Platform Bundle, a $50m revenue stream, on time.
- Started a weekly reading group among the interns and organized a team for the intern volleyball league.

XiP Technologies (Norman, OK) — Co-founder & CTO   June 2014 – January 2015
• Obtained $10,000 in seed funding and worked on a four-person team to provide students with real-time parking availability by building devices that count cars entering and exiting parking lots.

I-CCEW (Norman, OK) — SWE Intern, SWE Alumni Intern   January 2014 – April 2015
• Built an online marketplace to help people find parking at football games and pitched it to 200+ people.
• Developed a high-security project management website for use by large corporate partners.

Plow Technologies (Oklahoma City, OK) — SWE Intern   June 2013 – August 2013
• Worked with two other people to rebuild the company's interactive web platform from the ground up.
• Used Haskell in a production environment before it was cool.

SELECT PROJECTS

Presly (presly.org)
• Built a two-sided web application that teaches presentation skills, including an interactive presentation coach that uses face-api.js to provide real-time feedback.
• Developed an interface for instructors which allows them to assign Presly as part of a course, customize which components students see, view students' work, and provide feedback.

Surfy (getsurfy.org)
• Built a browser extension that displays the fact-check records and the political leanings of news websites.
• Utilized the super-fast Vanilla JS framework (vanilla-js.com)

Where My Coconut (coconut.jeffterry.org)
• Built a web application that helps Microsoft employees find microkitchens and latte machines.
• Attracted 400+ users within a month of release.

Norman Advanced Robotics
• Led the construction and programming of over 22 different autonomous robots from scratch.
• Competed against teams from across the world and won first place at the 2009, 2012, and 2013 Global Conferences on Educational Robotics. A video of two of the robots: https://goo.gl/vQMIP2

Visit jeffterry.org or github.com/JeffreyTerry to see more projects.

LEADERSHIP

President, Vice President — OU Honors Student Association   2015–2018

Founder, Director — OU Honors Mentorship Program   2015–2018

Film Director, Programming Director — OU Union Programming Board   2015–2016

Technical Advisor, Founding Member — OU CS Interview Prep Club   2014–2016

Computer Science Teacher (Volunteer) — Alcott Middle School (Norman, OK)   2014

AWARDS & HONORS

OSU Dean's Distinguished Fellowship (2018–20)**, Fulbright Semi-Finalist** (2018)**, OU Outstanding Honors College Senior** (2017)**, OU Libraries Undergraduate Research Award - Top Prize** (2017)**, OU Big Man on Campus** (2016)**, Richard V. Andree Memorial Scholarship in Mathematics** (2016)**, Best Use of IBM Bluemix API & Keen IO** (HackTX 2015)**, 1st Place at ConocoPhillips Innovation Challenge** (2014)**, 2nd Place at OU Freshman Engineering Showcase** (2013)**, National Merit Scholarship** (2013)**, Oklahoma Academic All-State** (2013)

Appendix: Technologies I've worked with in the past (alphabetical, not comprehensive)

AngularJS, Auth0, AWS API Gateway, AWS Aurora for Postgres, AWS Aurora Global, AWS CDK, AWS Certificate Manager, AWS CloudFormation, AWS Cloudfront, AWS CloudTrail, AWS Cloudwatch, AWS DMS, AWS Dynamo DB, AWS EC2, AWS ECR, AWS ECS, AWS ElastiCache for Redis, AWS ELB, AWS Fargate, AWS Gateway Endpoints, AWS GuardDuty, AWS IAM, AWS KMS, AWS Lambda, AWS MSK, AWS OpenSearch, AWS Organizations, AWS RDS, AWS Redshift, AWS S3, AWS SQS, AWS VPC, AWS WAF, BackboneJS, Black, Bootstrap, CDK for Terraform (CDKTF), Celery, Circle CI, Databricks, DataDog, Django Rest Framework, Django, Docker Compose Docker, EmberJS, ESLint, Flake8, Gatsby, Github, Gitlab CI, Heroku, Jest, JQuery, Kafka, Let's Encrypt, Looker, Material UI, MongoDB, Mypy, NextJS, NodeJS, PagerDuty, Pandas, Parquet, PostgreSQL, Prettier, PySpark, Pytest, Rails, React Router, React, Redis, Redux Toolkit, Redux, Sentry, SonarCloud, SQLite, TanStack, Terraform, Travis CI