ISABEL TRIPP

Available May - Dec 2020

CONTACT

✉ tripp.i @ northeastern.edu
📞 413-658-8338
tahitihat

SKILLS

Java | Python | Javascript (ES6)
Ruby (familiar) | HTML/CSS

macOS | Windows

Git/Github | React.js | MongoDB
SQL (Postgres, MySQL) | GraphQL
Ruby on Rails | Heroku | Data viz
Functional and unit testing

Sprint review presentations
Agile/scrum | Code review | Stats

COURSEWORK

Object-Oriented Design
Algorithms & Data
Computer Systems
Data Visualization
Human-Computer Interaction
Database Design
Probability & Statistics

LEADERSHIP

NUWiT Club | Outreach Chair
Coordinated with companies to organize tech talks for womxn in computer science.

HackBeanpot 2018 | Organizer
Collaborated with 12-person team to host independent hackathon with over 130 participants.

INTERESTS

Sustainability
Science Fiction
Tech Ethics
Ultimate Frisbee
Art Museums
Hiking

EDUCATION

Northeastern University, Boston, MA   Sept 2016 - May 2021 (Expected)
Khoury College of Computer Sciences
Bachelor of Science in Computer Science, with Math minor
GPA: 3.93 / 4.00
Honors: University Honors Program | Dean's List 2016 - Present

TECHNICAL EXPERIENCE

Square Roots Urban Growers, New York, NY   Aug 2019 - Dec 2019
Software Engineer Co-op
- Built IoT farm alerting system to notify users when farm environment leaves range, using AWS Greengrass, Ruby on Rails, MongoDB, and Slack/Agrowtek APIs
- Removed 4 types of database migrations by adding full-stack features to Rails/React application, freeing 5+ hours of weekly dev and build time
- Improved UI for visualization tools to enable farmers to analyze crop yield data

U.S. Census Bureau, Washington, D.C   June 2019 - Aug 2019
Software Engineering Fellow, Civic Digital Fellowship
- Interviewed stakeholders to assess and document needed data/software updates of "conflict diamond" trade prevention system in Economic Directorate
- Developed full proof-of-concept system update in Python (Flask), as well as agency-wide tools for migrating SAS data apps to relational databases

PowerAdvocate, Inc., Boston, MA   July 2018 - Dec 2018
Software Developer Co-op
- Contributed to full-stack rewrite of web-based Energy Intelligence product while working closely with Agile team in React.js, Spring MVC, and Oracle
- Wrote high-coverage functional and unit tests as part of CI/CD workflow

TEACHING

Northeastern University, Boston, MA   Sept 2017 - April 2019
Teaching Assistant for DS 2000, CS 2500
- Provided 1:1 assistance on course concepts at weekly office hours, lab sessions
- Supplied feedback and graded 20+ weekly problem sets & quizzes per semester

PROJECTS

Land Rights Tenure Index Visualization   March 2019 - April 2019
Interactive visualization of surveyed land rights data in West Africa
- Iteratively designed and developed data visualization to communicate community partner's land tenure rights research conducted in 14 countries
- Utilized D3.js/HTML/CSS to build interactive visualization

HomEz   February 2018 - April 2018
Android app prototype for roommate management
- Led 5 person team using persona design, storyboarding, and heuristic testing to design Android app to facilitate effective roommate communication
- Built application prototype in Android Studio