ISABEL TRIPP

Available May - Dec 2020

CONTACT

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🎧 tahitihat

SKILLS

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

macOS X | Windows

Git/Github | SVN | React.js
Ruby on Rails | MySQL | Postgres
GraphQL | Heroku | Data viz

Product presentations
Agile/scrum | Code Review

COURSEWORK

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

LEADERSHIP

NUWiT Club | Outreach Chair
Organized club meetings to foster community for womxn in computer science.

HackBeanpot 2018 | Organizer
Collaborated with 12-person team to organize 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
Khoury College of Computer Sciences — (Expected)
Bachelor of Science in Computer Science, with Mathematics 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 - Present
Software Engineer Co-op
- Implement and test hydroponic farm management features via web application built in Ruby on Rails with React.js, graphql, Postgres
- Contribute to architecting IoT system: remote climate management of distributed farms with AWS Greengrass, MongoDB, and Python lambdas

U.S. Census Bureau, Washington, D.C — June 2019 - Aug 2019
Software Engineering Fellow, Civic Digital Fellowship
- Assessed, documented, and created proof-of-concept to update data and software needs of "conflict diamond" trade prevention system
- Developed agency-wide tools for migrating SAS data apps to relational databases

PowerAdvocate, Inc., Boston, MA — July 2018 - Dec 2018
Software Developer Co-op
- Worked closely with Agile team on full-stack product rewrite of web-based Energy Intelligence Saas product in React.js, Spring MVC, and Oracle DB
- 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 visualization to process and communicate community partner's land rights research conducted in 14 countries
- Utilized D3.js/HTML/CSS to create interactive visualization

HomEz — February 2018 - April 2018
Android app prototype for roommate management
- Worked in 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