Hayden Udelson

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Skills

Java, Python, React.js, Node.js, HTML, CSS, SQL (Db2), Git, Subversion, JIRA

Experience

RedMane Technology | Software Developer   Chicago, IL | Sep 2020 - Present

Full stack developer for social service products using IBM Cúram platform (Java, React.js).

- Iterated Missouri Medicaid application to support Medicaid expansion, involving front end and logic development. Application has granted 72,000+ Missourians adult expansion coverage since October.
- Built wireframes for Joint Application Development meetings with clients, created performance tests in IBM Rational Performance Tester, and assisted in user acceptance and system integration testing.
- Completed 41 bug fixes in 3 months to assist Puerto Rico Medicaid project in successfully reaching urgent go live deadline.
- Developed logic for eligibility determination in South Dakota CHOICES Waiver program, coordinating 153 rows in 16 database tables, 2 rulesets with 15 display categories, and 24 JSPs.

Global Poverty Research Lab | Research Assistant   Evanston, IL | Mar 2020 - Sep 2020

Developer for research project to study impact of definitions of household on survey data across developing world.

- Created Python web scraper to download and organize metadata and data files for 2,000+ surveys hosted across 3 data portals.

Northwestern University | Teaching Assistant   Evanston, IL | Mar 2018 - Jun 2020

Instructed computer science students in weekly lab sessions and office hours and assisted in grading assignments and exams.

- CS 111: Taught core computer science concepts (data types, abstraction, recursion) in weekly lab sessions and office hours.
- CS 396: Connected AI concepts to role-playing games during class activities and office hours.
- Center for Talent Development: Taught 2 groups of 20 students AP CS concepts in classroom and study group.
- 89% of students reported I was knowledgeable and enthusiastic about course material.

Connexta | Software Engineering Intern   Phoenix, IL | Jun 2019 - Sep 2019

Developer for team-driven web app in React.js with Node.js backend in Agile framework.

- Created widgets to access and display pertinent company information, such as events or build status, and conducted user interviews to iterate features.

Education

Northwestern University | B.Sc. Computer Science   Evanston, IL | Sep 2016 - Jun 2020

Relevant Courses: Agile Software Development, Software Architecture, Databases, Data Science, Data Structures and Algorithms, Operating Systems, Networking, Human Computer Interaction, Machine Learning, Artificial Intelligence, Natural Language Processing

Activities

- **Develop + Innovate for Social Change**, Project Advisor
  Coordinated with non-profit partners to scope projects and managed relationship between 4 developer teams of 7 students and 3 clients.
- **Knight Lab**, Software Developer
  Built JavaScript web app to alter news article based on user demographics and deployed on Amazon Mechanical Turk for academic study on effect of news personalization.

Projects

- FAB: Mobile app to crowdsource choosing between two outfits. | *React Native*
- Find A Time: Web app to coordinate meeting time, can import Google Calendar availability. | *React.js*