Eric P Jones

Product Owner / Software Developer
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SKILLS

Product: User Story Development, Requirements Specification, Agile, Team Foundation Server, Wireframing
Dev: Python (pandas, scikit-learn, Matplotlib, Flask, SQLAlchemy), HTML, CSS, Bootstrap, JavaScript, Git

PROJECTS

Software Developer, Cascade Orienteering Club. Seattle, WA. October 2014 – ongoing

- Developed a web app to display live updating results to hundreds of competitors in staggered-start races. Python web server (Flask) and SQLite running on a Raspberry Pi, consuming XML from event software.
- Designed and developed results post-processing tools to calculate and assign individual, team, and season scores, and format for display on the web. (Python, JavaScript) https://www.losttimeorienteering.com/

Baseball Salary Data Analysis July 2017

- Analyzed and produced a report exploring historical baseball salary data using Python with Pandas, Matplotlib, and Seaborn. https://github.com/ercjns/udacityDAND/tree/master/p2-baseball

EXPERIENCE

Program Manager, Microsoft. Redmond, WA. August 2013 – December 2015

- Collaborated with software engineers, UI/UX designers, and business teams to design, launch, and service features for the Windows Developer Center. Dev.Windows.com
- Created wireframes and functional requirements specification for a redesigned registration process. Managed development, testing, and launch, which ultimately lead to a 25% decrease in support volumes.
- Prioritized bugs and deliverables, verified testing strategies, and guided a software development team transitioning from waterfall to agile planning methods. Lead daily standup and retrospectives.
- Designed cross-team infrastructure and dashboards (Cosmos, PowerBI) to bring telemetry data into daily decision making for individual contributors.

Avionics Product Development Intern, Boeing. Everett, WA. May 2012 – August 2012

- Developed proof of concept prototypes for avionics system electronic communications infrastructure using off-the-shelf hardware. A fully developed system could save weight by 50% over existing technology.
- Completed a user study focused on factory inventory inspectors. Developed user requirements for future hardware and software tools intended to increase inspector speed and accuracy.

EDUCATION

Data Analyst Nanodegree, Udacity. Online. June 2017 – October 2017

- Data analysis, machine learning, visualization, and communication using Python (Pandas), R, SQL, Tableau.

B.S. Electrical and Computer Engineering, Olin College. Needham, MA. Sept. 2009 – May 2013

- Project based courses including User Oriented Collaborative Design, Software Design, Renewable Energy, Mechanical Prototyping, Analog and Digital Communications, and Systems Engineering.