Jesse Blacklock

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Experience

Dun & Bradstreet   Garden Grove, CA
Software Engineer II   *May 2022 – July 2022*

- Expanded connection between controller and view for React-based, commercial product
- Altered GUI of financial transparency application to align with Figma design
- Enhanced project design resulting in improved maintainability for internationalization content

Mercury Systems Inc.   Cypress, CA
Software Engineer   *August 2020 – March 2022*

- Created standalone software to support radio frequency equipment testing, reducing testing time by 90%
- Developed GUI components for radar environment simulation projects using C# and WPF
- Provided remote troubleshooting for commercial project, resulting in expanded hardware compatibility
- Increased security compliance for radar simulation projects to >99%
- Created software to interface with radar environment simulation hardware using C++ and SCPI
- Led backlog grooming sessions, daily scrums, sprint reviews, goal-setting meetings, and sprint retrospectives as scrum master for 3 teams of engineers
- Improved development process by generating sprint metrics, including WIP, churn, sprint commitment completion, and velocity
- Authored software user manual for a multimillion-dollar product (90+ pages)
- Maintained internal ECO management software containing 7,000+ documents using PHP and SQL

Skills

Languages   C# (WPF, LINQ, Fluent Assertions), JavaScript (jQuery), HTML5, CSS3, SQL (MySQL), PHP, C++, Python (Tkinter, Pandas), SCPI, Java (JUnit)

Tools   Visual Studio, GitHub, Adobe Photoshop, Draw.io, Confluence, Bitbucket, Jira, Inkscape, GitKraken, GitHub Desktop, Sourcetree, Android Studio

Education

California State University, Long Beach   Long Beach, CA
M.S. IN COMPUTER SCIENCE   *August 2017 – May 2020*

Thomas Aquinas College   Santa Paula, CA
B.A. IN LIBERAL ARTS   *August 2010 – May 2014*

Projects

SoapBox   May 2020

- Created chemical engineering software for corporate R&D team using Python and Tkinter
- Collaborated with chemical engineers to implement features that improved formula generation process

Habeas   November 2019

- Programmed cross-platform search engine in four-person team
- Incorporated GUI, Boolean retrieval, and ranked retrieval using C#

JesseBlacklock.com   June 2019

- Implemented responsive web interface compatible with top five most popular web browsers
- Created 20+ web pages, including 3 web apps, contact page, photo gallery, and article section