

Justin Chilton

Software developer with 5 years experience working within a software company. While working in support and testing roles, always strived to work on development projects that increased efficiency. Passionate and with a wide array of experience with front-end and back-end technologies, scripting and automation projects, and test framework development.



Personal Info

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Skills

Web Development

Material Design

Node.js

Express.js

Agile Development

Software Testing



Languages

React.js

JavaScript

TypeScript

Python

C++

SQL

Java



Tools

Visual Studio

Git

GitHub

Windows

macOS

Linux



Achievements

Eagle Scout



Education

May 2020

Master's in Computer Science, Georgia Institute of Technology

- GPA: 3.9
- Notable Courses: Graduate Algorithms, Software Development Process, Database Systems Concepts & Design, Software Architecture & Design, Machine Learning for Trading, Computational Photography

May 2015

Bachelor's in Information Systems, Christopher Newport University

- GPA: 3.21
- Notable Courses: Data Structures, Applied Matrix Techniques, Database Management Systems



Experience

March 2018 - Present

Senior Associate Software Development Engineer in Test SAS

- Hybrid role with a mix of testing, internal development, and product development.
- Developed a full-stack application, utilizing React, Node.js, and SQL Server, which combined many of our continuous integration results into one place.
- Implemented a new CI pipeline to automate the creation of reports in the product, save the reports as images, and use OpenCV in Python to compare the images to the set of images from the last build triggered by a developer.
- Designed and implemented several new features for JMP, a desktop application written in C++.
- Drastically improved maintainability of unit test framework system. Implemented new open-source assertion library for our language using the Hamcrest model, published on GitHub.
- Write automated unit tests using the testing framework to ensure a quality product.
- Collaborate with developers on design strategies for new features, such as design feedback for the UI and programming language design work for decreasing impact on our language's compatibility.
- Integral part of a team of subject matter experts which developed and designed a certification exam for the JMP Scripting Language, a proprietary programming language.
- Responsible for testing JSL, and it's infrastructure, as well as the Script Editor, and other display capabilities in JMP.
- Presented at several conferences across the United States and Europe promoting and teaching the use of JMP.
- Mentor interns and assist with their learning of JSL and even collaborate on projects if necessary.

June 2015 - March 2018

Senior Associate Technical Support Engineer SAS

- Provided support for customers using JMP and SAS health and life science solutions.
- Coordinated with development to provide replication steps for defects and requirements for new features.
- Worked on many development projects to provide value to customers and the technical support team.

May 2014 - August 2014

Development Intern Newport News Shipbuilding

- Designed and implemented database applications which communicate and track urgent requirements.