

Manpreet Dhindsa

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EDUCATION

California State University, Northridge
MS in Computer Science
Expected Completion 2022

University of California, Irvine
BS in Computer Engineering
September 2015 – June 2019

SKILLS

Programming: Python, Java, C#, C, C++, SQL, SystemVerilog
Other (Technical): Test Automation, GoogleTest, GoogleMock, Selenium, NUnit, Android Studio

EXPERIENCE

MarketScan, **Software Development Engineer in Test**

December 2020 – Present in *Camarillo, CA*

- Scripting automated API tests to ensure accuracy and performance of MScanAPI, approximately 2000 testcases contributed to the Automation Framework (C#)
- Creating automated UI tests using Selenium and NUnit for MPortal, MGuage, and MDesking (C#)

Karl Storz Imaging, **Software Development Engineer in Test**

October 2019 – December 2020 in *Goleta, CA*

- Increased component test coverage by developing unit and integration tests using GoogleTest/GoogleMock (C++)
- Automated execution of component tests into Pipeline3 of the CI/CD process, increasing software build confidence, and strengthening the software delivery process (C++, CMake)
- Wrote approximately 400 fully automated test scripts covering software and image processing requirements, decreasing manual test time by 50 hours per release cycle (C#)

UC Irvine Neurobiology and Behavior, **Technical Research Assistant**

October 2018 – January 2019

- Processed and analyzed data in neurobiological datasets to find scientific insights and recognize trends using Python (AI, Machine Learning)
- Created and maintained a MySQL database ensuring data security and easy accessibility

UC Irvine Paul Merage School of Business, **Web Development Intern**

October 2016 – March 2017

- Developed new features and webpages for the release of the redesigned school website using HTML, CSS, and JavaScript
- Ran manual UI tests, verified functional requirements, and documented results