



## DANIEL NGUYEN



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## OBJECTIVE

To obtain a challenging position as an Engineer where I can utilize my technical expertise in hardware and software integration, testing, and troubleshooting to ensure seamless integration of complex systems and collaborate with cross-functional teams to deliver high-quality solutions to customers.

## SKILLS & ABILITIES

Python, C#, Visual Basic, .NET, SQL

JavaScript, HTML, CSS

Problem Solving

Adaptability

Teamwork

Strong Work Ethic

## EDUCATION

B.S SOFTWARE ENGINEERING

San Jose State University

AS-T COMPUTER SCIENCE

Evergreen Valley College

## CERTIFICATE & AWARDS

Certificates:

- Google IT Automation with Python
- Udemy C# Intermediate
- Certificate of Completion

## EXPERIENCE

### HW SYSTEM INTEGRATION ENGINEER

Varian, A Siemens Healthineers Company / May 2018-Present

- Ensure that all products met functional and design specifications.
- Perform the set-up, calibration, testing, and troubleshooting of circuits, components, instruments, and mechanical assemblies.
- Interact closely with design engineers to assist and provide feedback.
- Determine and develop test specifications, methods, and procedures from drawings and diagrams.
- Used Jama software to review test cases for the SW automation team.
- Develop in-house applications and generate reports to help managers and technicians with organizing, planning, coordinating, and controlling.
- Trained 2 test technicians during a period of company expansion to ensure attention to detail and adherence to company policy.

### PROJECT OWNER

PROGRESS REPORT | C#, VISUAL BASIC, .NET, SQL

- Developed entry processes to record and display large amounts of data to over 50 users every day.
- Implemented the status of the machines, testing time, delta shifts, and efficiency of users.
- Generated shifts pass down, assignment, and schedule for 18 working locations.
- Created an automated process to set the machine complete.
- Work on automated email notifications for OT/PPL requests

PARAMETER CHECKS | C#

- Used iText to convert PDF files of scan results to text.
- Utilized Optical Character Recognition (OCR) technology with Tesseract library to scan images to text.
- Run multiple test scan results to compare values, saving test technicians more time to identify mismatched data.

DRONE IT OUT | SWIFT, OBJECTIVE-C

- Researched and implemented scalable for voice control, predefined paths, and flying patterns for the drone.
- Collaborated closely with team members and advisors to plan and develop robust solutions.
- Reported project status and technical issues with professors.
- Achieved 100% completion of the project and got max points.

ONLINE WHITEBOARD | JAVASCRIPT, HTML, CSS

- Built a real-time online whiteboard for users to work remotely using Canvas, Obiter server, and PubNub.
- Corrected errors, upgraded interface, and improved security and performance.
- Made a responsive website by using the Bootstrap framework.
- Added 2 more features such as real time video calls and chat message.