

# WILLIAM D. WELLS

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## PROFESSIONAL EXPERIENCE

### Cisco Systems

SAN MARCOS, CA

#### Software Development Intern

January 2019 – Present

- Developed RESTful API for creating, inserting, editing, and retrieving “configuration” resources for target systems
- Utilized Postman for defining and testing API in mock environment
- Deployed MongoDB cluster on an AWS Virtual Private Cloud W/Amazon Linux AMI for maintaining resources
- Developed HTTP Methods to GET, PUT, POST, and DELETE resources (CRUD)
- API developed within Visual Studio using .NET Core 2.1, C#, and MongoDB Driver
- Ensured API was developed and behaved as defined in Postman with clear and detailed documentation
- Conducted comprehensive testing and exhaustive error handling to ensure API reliability

### Owaves

ENCINITAS, CA

#### QA Engineer

November 2018 - Present

- Develop, maintain, and execute test cases
- Identify, track, and document software defects during testing
- Perform as SCRUM master to assist in overcoming obstacles and facilitate communication between split stack teams
- Work closely with developers to ensure defects are correctly identified and fixed
- Gather test case requirements in a fluid and fast paced environment
- Contribute to both UI and UX design improvements

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## NOTEWORTHY PROJECT

### AUTOMATED POSTER

#### Java / JavaFX

- Developed easy to use tool for automated Craigslist posting
- JavaFX SDK used for GUI Development
- Selenium SDK used with Chrome WebDriver for providing automated functionality
- Script added to Windows Task Scheduler allows for scheduled times for tool to run
- Exception handling built in for gracefully handling element not found exceptions
- Additional functions include renewing posts, randomizing posts titles, randomizing pictures uploaded
- Implemented dynamic data structures to handle additional photos, additional titles without needing to add or edit code

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## TECHNICAL EXPERIENCE

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|-------------------------|-------------------------|----------------------------------|
| ▪ Software Development  | ▪ Slack & Trello        | ▪ IntelliJ Suite / Visual Studio |
| ▪ Version Control (GIT) | ▪ Windows/Linux         | ▪ Selenium Automation            |
| ▪ Quality Assurance     | ▪ API-First Development | ▪ Technical Documentation        |
| ▪ SDLC/AGILE            | ▪ AWS                   | ▪ Raspberry Pi / Raspbian        |

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## EDUCATION & TRAINING

### CALIFORNIA STATE UNIVERSITY SAN MARCOS

SAN MARCOS, CA

Bachelor of Science in Computer Science

Graduation: Dec 2019

Dean's List

- C/C++  
Data structures, algorithm development, mathematical analysis, modularity, information hiding, maintainability, debugging, testing, and sorting algorithms
- Data Structures (C++/JAVA)  
Stacks, Queues, Linked-Lists, Binary Heap, Hash Maps, Binary Trees, & Graphs
- X86 & MIPS Assembly, Circuit Design, Computer Architecture  
MIPS processor, ISA, Logic Gates, Datapath Design, Memory Design
- Programming Languages  
Java, C#, Python, F#, Prolog

### PALOMAR COLLEGE

SAN MARCOS, CA

Associates of Science in Mathematics & Science

Graduated-May 2018