



Miguel VALDEZ

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SUMMARY

A passionate Software Developer with 3+ years of experience designing, testing, and managing complex systems.

EDUCATION

BOSTON UNIVERSITY

2014 - 2018

B.S IN COMPUTER SCIENCE

ARIZONA STATE UNIVERSITY

2021 - Present

M.S IN COMPUTER SCIENCE - BIG DATA MASTERTRACK

EXPERIENCE

APPLIED MATERIALS

01/2019 - Present / Phoenix, AZ

SOFTWARE ENGINEER II

- Worked in the Semiconductor industry on ETL and data analysis tools. Technologies used are Angular, C, and virtualization.
- Focused on a high visibility web based application which is primarily used by customers to view multiple FAB manufacturing machines' Data and analytics.
- Migrated our data analysis legacy tool to Angular 8 employing latest industry standards which highly improved the quality of the code base.

PHIDEV

06/2016 - 02/2019 / Remote

SOFTWARE DEVELOPER

- Have worked with multiple creative agencies: [Phidev](#), [AidanJames](#), [Thrive](#), [PRDGL Creative](#), and personal freelancing projects.
- Full Stack developer for various projects that includes web apps built with LAMP, MERN and MEAN stacks. Mobile applications written in React-Native, and various website built with Wordpress, Shopify, Magento or plain HTML CSS JS.
- Deploy and maintain DevOps lifecycles

ACTIVE PERCEPTION LAB

01/2018 - 07/2019 / Boston, MA

UNDERGRADUATE RESEARCH ASSISTANT

- Helped in research which integrated approaches from experimental and theoretical/computational neuroscience. Trying to explain mechanisms underlying visual perception in humans and replicating similar processing strategies in artificial systems. Worked on the creation of experiments with C language. Developed virtual worlds in OpenGL for data collection from subjects.

SKILLS

PROGRAMMING LANGUAGES

Experienced: Typescript | Python **Familiar:** PHP | C# | Bash | Java

SOFTWARE DEVELOPMENT

Visual Studio | Command line | GIT | CLI | DevOps Lifecycles

PARADIGMS & METHODOLOGIES

Clean code | Agile/SCRUM Development | User-first design | Test-driven dev

DATABASES

PostgreSQL | MySQL | mongoDB | Oracle

FRAMEWORKS & LIBRARIES

Angular | React | React Native | Pandas | Highcharts | Materials

MOBILE DEVELOPMENT

React Native | CocoaPods | Java

LANGUAGES

Spanish | English