**Ryan Ritchey**

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**Objective**

Motivated and detail oriented individual, with a degree in computer science, two years of experience within IT and the software development lifecycle, looking to expand my career as a Software Engineer.

**Education**

**Computer Science B.S.,** University of California, Irvine December 2020

**Technical Skills**

**Languages:** JavaScript, Python, C#, Java, C++, C, HTML, CSS

**Tools and** **Frameworks**: NodeJS, AdonisJS, SQL Server, Docker, PGAdmin, CypressJS, OpenAPI, ASP.NET, PowerApps, PowerAutomate, Common Data Service, Microsoft Graph API, Azure, Visual Studio, Express, Bootstrap, MongoDB

**Professional Experience**

**Esri**,Redlands, CA January 2021 – Current

*Software Development Engineer I (ArcGIS Monitor)*

* Responsible for developing, testing, maintaining and providing extensive documentation of numerous features for our product, which produces over one million dollars annually.
* Implemented a crucial notification feature that utilized webhooks and automated email notifications, which allowed GIS administrators to obtain real time data on their ArcGIS deployments.
* Advanced the core functionality of our product by allowing users to test and upload custom scripts, paving the way for monitoring of custom components and metrics
* Enhanced our API documentation by creating a Swagger document, using JSDocs and OpenAPI, which allows our customers to easily navigate and operate our API.
* Expanded our manual testing process utilizing the VS Code Remote Container extension, which allows for Windows developers to debug on Docker Linux Containers
* Reduced CPU usage of our product by 50% by allowing each process to handle both http and https requests.

**Skyworks Solutions**,Irvine, CA January 2020 – December 2020

*IT Enterprise Architecture and Development Intern*

* Worked with the Skyworks Wafer Fabs in Asia to overcome the Covid-19 pandemic, by developing and implementing a self-service site transfer process which utilized the Microsoft Power Platform and SharePoint Databases.
* Instrumental in creating an initial POC for a custom app to reduce human error and increase efficiency of the chemical batch process in fabrication facilities by leveraging the Microsoft Power Platform including the Common Data Service.
* Pioneered long term sustainability of Skyworks custom applications by using C# and the .NET framework, to replace deprecated Azure Blob Storage APIs with the most recent methods.
* Collaborated with our team of data analysts to write and run SQL scripts within Microsoft SQL Server Management Studio to validate the migration of data from an ODS database to an Azure database.

**Personal Projects**

**Yelp Clone (HTML, CSS, JavaScript)**

* Developed a full stack web application, which uses a custom RESTful API, that mimics Yelp for campgrounds.
* Implemented using NodeJS and Express, hosted on Heroku, and uses MongoDB to store the data.
* Functionality includes user authentication and authorization, flash messages and RESTful routing.

**Soundcloud Web Scraper (Python)**

* Developed a program which allows a user to download their latest likes on SoundCloud to their computer.
* Utilizes Python packages, BeautifulSoup and Selenium, to obtain download links for each song, if provided, and automates the downloading process.