

Justin Marotta

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justinmarotta.com

EXPERIENCE

Maverick Quantum, Inc. – Software Developer Engineer

JUNE 2021 - PRESENT

Develop frontends and backends with Angular, React, SpringBoot, NestJS
Develop Tableau dashboards and leverage Tableau JavaScript API
Implement Google Cloud and AWS technologies into applications
Data processing with Pandas, Sci-Kit Learn modeling in Python/Google Colab
LiDAR asset detection solutions with Velodyne

Siena College – Lead Software Engineer AR/XR Physics Research

DECEMBER 2020 - PRESENT

Design and develop augmented reality simulations for classical & quantum mechanics, magnetic & electric fields, organic chemistry and neuroscience
Manage the codebase using Git, Unity, C#, Vuforia and Merge SDKs
Lead and train undergrad researchers
Publish products to the iOS and Android platforms via App Store and Google Play

Siena College ITS, Loudonville NY– IT Consultant Manager

MARCH 2021 - PRESENT

Interview and guide new consultants through the onboarding process
Respond to emails, phone calls and tickets for software/hardware related issues
Create and manage shift schedules

Doing Business As: Mars Game Development

JUNE 2019 - PRESENT

Develop code for Unity game projects, compose music, design artwork, and Publish projects to Google Play, Apple App Store, and others
Manage my website (<http://marsgamedev.com/>) using AWS (Route53, S3, SES)
Member of ID@Xbox

EDUCATION

Siena College, Loudonville NY – B.S. Computer Science & Data Science, Minor in Physics

SEPTEMBER 2018 - MAY 2022

Overall GPA: 3.47

OTHER EXPERIENCE

Presenter at RSPS 2021 March 2021

<http://www.pas.rochester.edu/news-events/rsps/2021/rsps-proceedings-2021.pdf>

Siena College Admissions, Loudonville NY– Content Strategist/Ambassador

DECEMBER 2020 - Present

Presenter of Mars Colonization Research, Academic Showcase, Siena College

APRIL 2019

Assistant Project Director, Cassano Construction Group, Duanesburg NY

DECEMBER 2018 - JANUARY 2020

Painter/Laborer, Tritan Builders, Schenectady NY

JUNE 2018 - AUGUST 2021

Festa Kitchen Volunteer, Our Lady Queen of Peace Parish, Schenectady, NY

AUGUST 2012 - AUGUST 2019

Lead Actor, Drama Club, Schalmont High School

SEPTEMBER 2014 - NOVEMBER 2019

SKILLS

Programming Languages:

Java, C#, JavaScript, HTML, CSS, Python, MIPS Assembly, Oracle SQL, PHP, MATLAB

Web Development:

Node.JS, Angular, Nest.JS, Spring Boot, Flask, Postgres, Docker

Software Engineering:

Agile, Scrum, Git, Bash/Command Line, UX/UI, GCP, AWS

Computer Science:

Algorithms, Data Structures, Theory of Computation, Database Management, Relational Algebra, DB Normalization

Operating Systems:

Windows, macOS, Linux (Ubuntu, Arch, Debian)

Data & Machine Learning:

NumPy, Pandas, Scikit-Learn, data visualization, Principal Component Analysis

Game Development:

Unity (C#, AR/XR Vuforia Merge Cube), LibGDX (Java).

Electronics:

Common transistor and op-amp circuits, soldering, logic gates, boolean algebra, FPGA programming, oscilloscopes.