Vee Upatising

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WORK EXPERIENCE

Rochester Electronics – Newburyport, MA
Automation Software Engineer   Sept 2020 - Present
- Developed C# WPF application that automates the generation of Assembly Drawing Reports and Laser Engraving templates
- Engineered Python application that calculates historical yield for all products and their specification tests

Workera – Palo Alto, CA
Software Engineering Test Developer   June 2020 – Sept 2020
- Developed standardized tests for Artificial Intelligence, Software Engineering, and Algorithmic Coding skills
- Performed quantitative analysis on test questions using test taker data

Fast Enterprises, LLC – Salt Lake City, UT
Implementation Consultant Intern   May 2019 - Aug 2019
- Developed software for the Vehicle and Dealer Registration System used by all DMV offices in Utah
- Performed Unit, Integration, and End-to-End testing within the VADRS program
- Managed databases and optimized queries using SQL in Microsoft SQL Server Management Studio
- Performed QA testing to fix critical production errors in a waterfall software development cycle
- Developed front end customer-facing web portal using VB.NET in Visual Studio

EDUCATION

University of Massachusetts Amherst   May 2020
Bachelor of Science in Computer Engineering, GPA 3.18

COURSEWORK

Machine Learning, Artificial Intelligence, Computer Vision, Data Science, Probability, Algorithms, Data Structures, Statistics, Software Engineering, Linear Algebra, Signals and Systems, Circuit Analysis

PROJECTS

Interactive Generative Adversarial Network
- Developed an interactive JavaScript web application that generates animated faces using Convolutional Neural Networks
- Designed Generative Adversarial Network architecture using Keras and TensorFlow in Python

Real Time Virtual Background
- Created a JavaScript application that implements a virtual background from a live webcam feed without needing green screen
- Implemented a feature that allows users to upload their own images for virtual background

CERTIFICATES

Data Scientist – Workera.ai   June 2020
- Machine Learning: 99th Percentile
- Mathematics: 98th Percentile
- Software Engineering: 95th Percentile
- Data Science: 94th Percentile

Software Engineering – TestDome   June 2020

TECHNICAL SKILLS

Python, C#, SQL, Visual Basic .NET, Java, C, UNIX, Pandas, Scikit-Learn, NumPy, TensorFlow, Keras, MATLAB, HTML5, CSS3, JavaScript, Node.js, Express.js, React.js, WPF Application Development