Amrit Parmanand
Computer Science Student

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SKILLS

Tensorflow · Keras · Python · Java · Agile Scrum · SQL · HTML/CSS · C++ · JavaFX · Oracle · C · PostgreSQL · OpenCV · SCSS/SASS · Arduino · SolidWorks · CNC Machining

INTERESTS

Process Automation

Machine Learning

Cyber Security

Neural Networks

Database Management

EDUCATION

Computer Science
Worcester Polytechnic Institute

08/2017 - Present   *Worcester, MA*

WORK EXPERIENCE

Lead Software Engineer, Project Manager
US Alcohol and Tobacco Tax and Trade Bureau [CS3733]

01/2019 - 02/2019   *Worcester, MA*

Achievements/Tasks

- Created an online alcohol label submission form for manufacturers, a form processing workflow application for US Treasury agents in the Alcohol and Tobacco Tax & Trade Bureau (TTB), and an alcohol beverage database search engine for the general public
- Managed ten person team in a class competition to apply Agile Scrum methodologies and software design patterns to software development project
- As a lead software developer, gathered software requirements and created user stories, scenarios, and storyboards
- Designed an effective application through use of UML use case diagrams, class diagrams, activity diagrams, and entity-relational diagrams

Reference: Wilson Wong - wwong2@wpi.edu

Product Support Intern
AlphaPoint

07/2018 - 08/2018   *New York, New York*

Alphapoint liquidizes assets and provides enterprise-grade blockchain solutions to launch markets and reduce operating costs.

Achievements/Tasks

- Created a dynamic email filtering service to create separate groups of actionable and non-actionable alerts, as well as a database logging system for important alerts
- Built a client database framework for information storage, along with programs to import data from existing company resources
- Compiled customer data into central location as an employee-facing document

Reference: Mangesh Karandikar - mangesh@alphapoint.com

Software Engineer
DBS Energy, Inc.

09/2016 - 03/2017   *Cromwell, CT*

Achievements/Tasks

- Created a solution to remotely collect electricity usage data from customer electricity meter.
- Developed firmware for onsite energy usage data collection.
- Built and field tested working prototypes of solutions using Raspberry Pi, Particle.io Electron, and Arduino, with heavy use of C++, SQL, HTML, and CSS.

Reference: Erik Bartone - (860) 828-8700, x222

PERSONAL PROJECTS

sigmapigammaiota.org (02/2018 - Present)
- HTML/CSS/SCSS on Django framework
- SQL and Python used for back-end data storage and management

parmanand.dev (11/2017 - Present)
- Use of HTML/CSS and minimal JS
- Based partially on Bootstrap framework