Jinwei Pan Resume

Phone: 917-868-6276 Email: jpan3453@gmail.com

SUMMARY

- 10+ years' experience. Willing and able to relocate and/or travel. Green Card holder.
- Entrepreneur and Self-starter, joined several startups, started a company in college.
- 4-5 years as Product Manager and TPM. Strong Strategic Leadership and Operational skills.
- Robotics Engineer; ROS, Python, Simulink, MATLAB and Soildworks software for Robotics Research
- Extensive Experience in Robotics Automation Process-RPA SDLC, UiPath certified, Blueprism.
- Experience in Regression Modeling, Statistics, and Quantitative analysis using Python, SAS, R, SQL, Machine learning skills.
- Able to work independently and under pressure, detail oriented, excellent problem solver and innovator

EDUCATION

University of Pennsylvania-Wharton Online   July 2019 – Sep 2019

- Fundamentals of Quantitative Modeling
- Regression Modeling in Practice

UiPath Developer Certificate by UiPath^{TM}   July 2019

Columbia University, New York, NY   Sept 2014 - May 2016
- Master of Science in Mechanical engineering GPA 3.5 (Cumulative)
- Robotics & Advanced Manufacturing Concentration

North Carolina State University, Raleigh, NC   Sept 2010 - May 2014
- Bachelor of Science in Mechanical Engineering GPA 3.5(Cum) 3.63/4.0 (Jr/Sr)

RELEVANT WORK EXPERIENCE

iSoftStone -Lead Software Engineer & Program Manager (Covid Layoff), NYC Dec 2019 - July 2020
- Design SSD, RPA architecture infrastructure framework and deployment handout for master script ReFramework for tapestry phase 2 project, and present to tapestry senior director.
- Lead and manage dev team to use best practices in Source code management systems for R1 release, dev, hot fix, and deployment branches during code freeze and post deployment.
- As program manager with 8 sprints, 2 weeks per sprint, assigned jiras with epic and story-telling to the dev team based on Tshirt size to manage the SDLC, and lead scrum SVP reporting meetings.
- Managed end to end production projects, R1 release, smoke testing, delivery, deployment etc.
- Lead offshore and onshore development team in a 4-month project for tapestry phase 2 including 7 automation processes and 17 business use cases.Create status report/action item.(open/block items)
- Utilize Elasticsearch and Kibana to build dashboards showing analysis and reports of business and process matrixes by pulling execution logs from the orchestrator.
- Lead team development of OCR and Computer vision solution for pdf reading
- Lead team to design email listening automation for westcon client and applying queue and orchestrator queue trigger and job scheduling
- Lead offshore and onshore team to perform uipath upgrade, re-frame, migration testing for Tapestry – Coach and Kate Spade New York.
- Utilize RE-framework to integrate with several user cases to perform get queue transactions and set queue status for end to end automation.
- Work with Client side IT team, client side consultant team and project manager to get detailed business requirements documentation BRD and PDD.
- Work with client side infrastructure architect to set up the QA/Prod environment ready for development team
- Lead offshore team for QA upgrade, migration, regression and smoke testing, and Prod upgrade.

Yang2020 National Team – Data Scientist in ML (Campaign Ended), NYC   Nov 2019 – Jan 2020

- Gain experience using SQL to pull big data (337million rows data) from relational database Civis Analytics for DNC national voters and Phoenix consumers data.
- Applied join/unit to gain total parent number with kids age under 18 and used statistics modeling to predict the total parent number with kids under age 25 (79million rows data) as part of the campaign persona project.
- Gain experience reporting, utilizing data visualization, and cleaning data via Python.
- Import data into Jupyter notebook Panda library and build model and analysis Insight into what the data can show us, strategically and politically.
- Using Beto and Andrew Yang's donor info and zip-codes to Perform deep analysis on data using statistics to predict the correlation between Beto and Yang's donors, then predict the common zipcode area that the campaign should send digital ads.
- Working with APIs to move data between platforms; improving and automating existing data pipelines and creating reporting structures.
- Learn Scikit-Learn, Pandas, Numpy, Stack, and Time Series Analysis
- Use machine learning techniques, Supervised Learning (GBM's, Neural Networks), Unsupervised, and Dimensional Reduction.

Wells Fargo – RPA Developer & Platform Lead, Charlotte, NC   Aug 2019 - Nov 2019

- Managed automation and platforms of lower environment (server, database, and visual machine)
- Helped train all new QA and Dev team members and orchestrate their on-boarding process.
- Helped set up blue prism and UiPath platforms, server connection, control room, orchestrator, and login agent configurations.
- Was design lead for the design projects of the business team; defined the design requirements and checklist for early design processes.
- Worked in an architect role setting up systems for default, QA, Dev tenants for testing pre-production automation.

Wells Fargo – Robotics Engineer (RPA), Charlotte, NC   Oct 2018 - Nov 2019

- Designed solutions utilizing the best RPA (Robotic Process Automation) practices and maintained technical responsibility for project deliveries.
- Participated in staging and deployment of automation solutions into test and live environments.
- Developed several automations to improve the efficiency of the manual tasks(ex: using read range tools from pre-determined excel files to assign value to data tables and use each row activities to enter data to desired applications.)
- Learned business processes and created process flow diagrams, gathered requirements from business units, and analyzed them to determine suitability for automation.
- Developed and implemented Robotic Process Automation tools, such as UiPath and Blue prism.
- Extensively worked on debugging applications to fix bugs and maintain production support.
- Gained extensive knowledge of UiPath architecture, Blue Prism RPA Tools, and technical design of documents within the automation space.
- Documented configuration best practices, and created and maintained solution documentation.
- Supported, maintained, and improved the automation process and bot performance based on six sigma.
- Examined log files and queue sessions to detect root causes of automation issues and fix them.
- Performed administrative duties setting up parameters, environment variables, credentials, etc. for new VDIs, machine and process objects.
- Managed all service accounts, VDIs, Ad groups, and license groups needed automations.

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EsianMall - Founder & Product Manager , New York City, NY   June 2015 - May 2018
- Developed strategy and orientation by running management methods, conducting market research, competitor analysis, customer insight, pricing strategy and benchmark, and targeted more than 790,000 active customers using analysis tools.
- Managed and directed a team of 15+ employees at all times.
- Collaborated with CTO to launch the website by establishing servers, managing backend, designing frontend structure UI/UX, and developing API and extensions for ERP, SEO, PPC/CPC.
- Developed and set up warehouse logistics systems by prioritizing the location and layout of the warehouse; managing more than 3,000 SKU and integrating UPS and USPS shipping systems.
- Conducted marketing processes by using a series of SEO methods, promoted the website using Google (ranked 3rd for Chinese products), and resulted in a constant increase of website traffic by 10% monthly
- Worked with business partners to develop technology concepts and requirements, design alternatives, and project schedules and costs for new system initiatives.
- Identified problems and created solutions addressing speed, scale, quality and usability.
- Developed, debugged, and managed new application modules.
- Worked on enhancing and maintaining our Python-based framework.

Newspace NYC- Co-Founder & Product Manager, New York City, NY   Aug 2014 - Dec 2015
- Created and up-kept an incubator for outer space startups by hosting events and helping them develop by getting them in touch with like-minded people, investors, potential customers, and the community.
- Analyzed potential start up client's business plans for correlation of interests with our program's objectives.

Schneider Electric - Product Design Engineer Intern, Knightdale, NC   Jan 2014 - May 2014
- Designed and fabricated a cable management system for a public-access electric vehicle charging station with 20ft retractable cable, cable storage, and within parameters of force and current.

General Motors - EcoCAR 2, Control and Mechanical Engineer Intern, NC   Fall 2013 - May2014
- Learned shop safety, vehicle glider equations, drive cycle modeling, and Simulation.
- Learned powertrain architecture, vehicle dynamics, and model simulation using MATLAB Simulink.
- Developed an economical, automated transit system focused on the design and development of a small manned autonomous vehicle including the structure, obstacle detection and avoidance, motor control, steering system, navigation, vehicle stability control, route planning, and wireless vehicle communications.

ENGINEERING RESEARCH EXPERIENCE

Regression modeling and Quantitative analysis in Python   July 2019 – Sep 2019
- Learned to utilize Python to create quantitative modeling prediction based on linear regression, multiple regression, polynomial regression, and logistical regression methods.
- Utilized python to import Numpy and Panda, and used Statsmodels.api, sm.ols, coding to generate advanced statistics reports to better determine significance and optimization fitting for the models.
- Became proficient in the meaning of R square, Residual, P value, Std, Intercept, Slope, Correlation, Variance and Mean assumptions to validate the quantitative model.

Robotic Path Planning and Simulation Research, Columbia University, NY   Feb 2015 - May 2015
- Utilized ROS with Python write algorithm to find the best trajectory for Baxter robot to pass the obstacle and reach endpoint and lift the final object with instruction by Matei Theodor Ciocarlie.
- Implemented forward kinematics using Python in Linux environment (ROS)

- Implemented Cartesian Control with numerical Jacobian using Python in Linux (ROS)
- Implemented motion planning and trajectory generation algorithms on Baxter Robot
- Python Programming the Baxter robot to simulate and perform a dance movement.
- Motion Planning and Navigation: Dijkstra's Algorithm, The A* algorithm, Voronoi Roadmap, PRM , RRT Jacobian computation using python method.

C-Programming- Mechatronics/embedded micros, Columbia University, NY   Aug 2014 - Dec 2014
- C Programming and bug-shooting the Micro-chip (PIC) correctly and installing it with a thermal control circuit to achieve the fan automatically turning on and off at a certain temperature.

Powertrain Research member NCSU EcoPRT, Raleigh, NC   Jan 2014 - Mar 2014
- Determining and designing junction points, station interaction, above/below ground track, power delivery system, and the size limitation of the system
- Experimenting with torque, horsepower, RPM, EGR (Exhaust Gas Recirculation) and temperature measurements of the Kubota Diesel Engine after installation.
- Design and research for the drive train, determine what kind of tire/wheel system will be used, develop a braking system and suspension system
- Weekly individual group meetings and full team meetings will enable design cohesion and consultation of the faculty advisor and university

Eddy current dynamometer Engine Research Assistant, NCSU, NC   Sep 2013 - Apr 2014
- Built a stand for our engine and Eddy current dynamometer, and experimented with torque, horsepower, RPM, EGR, and temperature of a Kubota Diesel Engine.
- Research the size, weight, material, and aesthetic requirements of the body and interior space of the EcoPRT vehicle.
- Learning the engine tuning. And tuning on our diesel range extender

Mechanical Engineering Vibrations Research, NCSU, NC   Jan 2013 - Dec 2013
- Designed Airplane Landing Gear by modeling with a mass-spring-damper SDOF system and designed a Reciprocating Engine by using 2DOF model system shock absorption.

Teaching Assistant-Summer Research with Dr Kleinstreuer, NCSU, NC   Jun 2013 - Aug 2013
- Graphed sketches and figures for professor's Thermodynamics eBook using Smart drawing.
- Performed literature reviews on ongoing research topics and eBook materials
- Added video links and real-world images to the eBook.

Probability and Statistics for Engineers Research (data analysis)**,** Raleigh, NC   Fall 2012- Spr 2013
- Utilized SAS, R, MATLAB for statistical analysis of an elastic band rocket.
- Learned how to make experimental designs, statistical processes, statistics simulations, and graphical displays of data on computer workstations.
- Used statistical methods including point and interval estimation of population parameters and curve and surface fitting (regression analysis and ANOVA).

SKILLS   Robotics, UiPath, Blue Prism, RPA tools, ROS, Python, Jira, Confluence, GitHub, SAS, R, Html, CSS, C, SQL, Fortran, UI/UX, Machine Learning, Big Data, Data Analysis, SolidWorks, MATLAB, Simulink, Maple14, CRM, SaaS, ERP, CMS, Magneto, SEO, PPC, PIC, Teamwork, Leadership, Management.

Language: English and Chinese

Portfolio Links:
- Introduction video of my company ESIANMALL: https://vimeo.com/202961090
- EsianBox customer reviews: https://vimeo.com/202828141
- EsianMall customer reviews: https://tinyurl.com/y6zsugf8
- 4 million views Unboxing Video of our product: https://youtu.be/blT3knwVMUw
- EsianMall featured in Buzzfeed: http://tinyurl.com/y694h7mo
- My Linkedin : https://www.linkedin.com/in/jinwei-pan-78929b5b
- Github : https://github.com/jpan3453/jinwei-pan-portfolio-