

Software Engineer Vicente Paul Guerrero Lule

Mannsfelder Str. 1 – 50968 – Cologne viclule.github.io | vic.lule@googlemail.com | (+49) 176 32715017

Software Development, Machine Learning and Data Science. Python, django, sklearn, keras, tensorflow, aws, git, docker, CI/CD

Profile

A science enthusiast with extensive experience in model, algorithm and software development. Eight years of experience in software development, three of them focusing on the python language for API and machine learning development and deployment in the cloud.

TDD, Scrum and Solution-Oriented describe my way of working. Equally effective in a team environment or as a lone specialist.

Work Experience

5/2019 - Freelance Software Developer

Germany

 Software development on Python in a voice assistant large-scale project.

python, natural language processing, microservices, gitlab, scrum, ci/cd

6/2017 – 5/2019 **Software Engineer –** in the **Intelligent Products** team

Leybold GmbH, Cologne

- Design and development of a cloud-based data collection strategy from machines in the field and laboratories
- ❖ Machine learning models development and clustering analysis
- API development with django

python, pandas, numpy, sklearn, tensorflow, keras, flask, django, git, aws

9/2016 – 5/2017 Freelance Software Developer

Germany

- Software Development
- Development of Machine Vision applications
- Algorithm development for optical components alignment

1/2013 – 8/2016 **Product Developer – Micro Assembly**

Micro Automation, St. Leon-Rot

- Coordination with research institutions
- Design and development of a software architecture for complex automation processes

11/2010 – 12/2012 **Research Assistant** in the **Micro Production** department *Fraunhofer-Institute for Production Technologies*, Aachen

- Design and development of novel concepts for the high precision assembly of optical components
- Development of image-processing-based algorithms

09/2009 - 08/2010 Research Assistant (part time) in the Energy Efficient Buildings and Indoor Climate department

E.ON Energy Research Center, RWTH, Aachen

Development of control software for research setups

03/2008 – 09/2008	Entry engineer in the Performance department General Electric, Advanced Turbomachinery Engineering Center, Queretaro, Mexico ❖ Software development for the analysis of thermodynamic data
Education ——	
09/2008 – 08/2010	Master of Science in Mechatronics, Fachhochschule Aachen (1,3), Aachen, Germany
07/2003 - 02/2008	Mechanical Engineer, specialty in Design, <i>Celaya Technology Institute</i> (1,7), Celaya, Mexico

Other Experiences _____

04/2019 – 04/2019	Training: Moderation, Presentation and Visualization
06/2018 - 08/2018	Deep Learning Specialization <u>- Coursera</u>
11/2017 – 11/2017	Conference: Data Natives 2017. Data driven technologies Berlin
09/2016 – 01/2017	Project Management Certification, ATV, Köln
10/2016 – 10/2016	Conference: Data Natives 2016. Data driven technologies Workshop: Learn Python for Data Analysis Berlin

Publications —

C. Brecher, R. Schmitt, P. Loosen, V. Guerrero, N. Pyschny, A. Pavim, A. Gatej. Self-optimizing approach for automated laser resonator alignment. Optics and Lasers in Engineering 50 2012, 287-292.

Language Skills _____

Spanish: Native speaker English: Business fluent

German: Fluent

Programming Languages _____

Very good: Python, django, sklearn, keras, tensorflow, aws, git, docker

Good: .NET (C#), MatLab, SQL

Interests —

Sports (cycling, swimming, jogging) Literature (science, history, philosophy); Traveling Mensa.org Member

Cologne. July 5th, 2019

Annexes

- ❖ Projects description
- * Recommendation letter: Atlas Copco / Leybold
- **❖** Certificate: Scrum Foundation
- ❖ Certificate: Certified Project Manager

Projects description

Freelance Software Developer

Germany 5/2019 –

Microservices development on Python, these are part of a complex system that interprets natural language. The product is a voice assistant system similar to alexa from amazon and others python, requests, bottle, scrum, SAFe, ci/cd,

Software Engineer – in the Intelligent Products team Leybold GmbH, Cologne 6/2017 – 5/2019

Design and development of a cloud-based data collection strategy.

Data was coming from a number of sensors installed in machines connected through an IoT Platform.

- REST API Development in Python using flask and django
- Data Model design and Databases implementation
- Deployment of APIs and Databases to AWS
- Machine learning models development and clustering analysis
 - Linear Models, Neural Networks, Clustering Algorithms python, flask, django, scikit-learn, keras, pandas, numpy, git, ci/cd, aws

Freelance Software Developer *Germany*

9/2016 – 5/2017

- Integration of Industrial Cameras and Development of Image Processing Scripts for automation applications MVTec Halcon, Beckhoff
- Integration of Industrial cameras and Image Processing Software in C# Applications
 MVTec Halcon, C#, different camera vendors

Joeri Coeckelbergs Manager Intelligent Product Atlas Copco Industrial Vacuum Division joeri.coeckelbergs@leybold.com +49 (0) 171 199 3502

Dear Sir or Madam,

It's my pleasure to recommend Vicente Guerrero as a solid software engineer with keen interest and knowledge in machine learning topics.

Vicente has worked in my team for nearly 2 years as an external consultant. Together we have worked on several projects, but he was mainly focusing on machine learning and AI topics within the team. During this time I can say, I was able to get to know him quite well. Strong determination to achieve results, a hands-on approach and a very likeable social character would describe him very well.

Vicente has shown good software engineering work together with project managing skills. During this project his core task was developing a machine learned algorithm to predict certain variables in our machinery. The work he performed was well documented, well-structured and he thoroughly analyzed the problem before starting with the development of the algorithm. This enables him to learn new skills quite fast.

He also had to manage many other stakeholders, including lab personnel or suppliers. With his good people/social skills and a good joke here and there, this has proven to be no problem for Vicente. He will manage to get things done.

With his good project approach, social skills and a good drive to achieve results, I believe Vicente could really become a key asset for everyone looking for a good software engineer for machine learning and AI topics. If you have any more questions or if you would like to have a chat about Vicente, please feel free to contact me

Kind regards,

Joeri Coeckelbergs

Semble hyperson

10/04/2019





ZERTIFIKAT

Die TÜV SÜD Akademie bescheinigt, dass

Vicente Paul Guerrero Lule geboren am 02.11.1985 in Celaya, Mexiko an der Prüfung

Foundation in agile project management according to SCRUM

nach den Anforderungen der TÜV SÜD Akademie GmbH – Zertifizierungsstelle für Personal, mit Erfolg teilgenommen hat.

Das Zertifikat "Foundation in agile project management according to SCRUM" nach Richtlinien der !TEMO weist Kenntnisse in agilem Projektmanagement nach. Dem Zertifikat liegt das Verständnis für die SCRUM-Theorie (gemäß SCRUM Guide™) zugrunde. Es bestätigt grundlegendes Wissen zur SCRUM-Philosophie, den Ereignissen, Regeln, Rollen, Artefakten und ihren Beziehungen und Wechselwirkungen sowie zur Durchführung von SCRUM-Projekten. Eine Vertiefung des Erlemten durch praktische Übungen hat stattgefunden.

Zertifikatsnummer 1612#312602637 Köln, 30.12.2016

Jürgen Merz Geschäftsführer TÜV SÜD Akademie GmbH

Harald Koelln Prüfungsmanagement der TÜV SÜD Akademie GmbH



Herr Vicente Paul Guerrero Lule

geboren am 02.11.1985, hat vom 12.09.2016 bis 01.02.2017 im Rahmen des General Management Programs

der ATV GmbH in Köln den Titel

Certified **Project Manager**

erworben und die Prüfungen wie folgt bestanden:

Projektmanagement, MS Project: (Gewichtung 1)

Note 2 / 81 Punkte

BWL, Controlling: (Gewichtung 1)

Note 1 / 96 Punkte

Projektarbeit: (Gewichtung 2)

Note 1 / 98 Punkte

Erstellung eines Projekthandbuches unter Anwendung von MS-Project. Entwicklung, Dokumentation und Präsentation eines Projektplanes am realen Praxisbeispiel

Gesamtergebnis:

Note 2 / 93 Punkte

Köln 01.02.2017

Karin Steiner Niederlassungsleitung ATV GmbH Köln

100-95 Punkte = 1 • 94-80 Punkte = 2 • 79-65 Punkte = 3 • 64-50 Punkte = 4 • 49-0 Punkte = 5 nicht bestanden





ERFOLG DURCH NEUE PERSPEKTIVEN

Nutzen Sie unsere Erfahrungen

General Management Program Project Manager

Zertifikatslehrgang der ATV GmbH

in Kooperation mit dem INSTITUT FÜR MARKETING UND MANAGEMENTENTWICKLUNG IMM centour PARTNER DER HOCHSCHULE FÜR ANGEWANDTE WISSENSCHAFT MÜNCHEN

SEMINARINHALTE

Projektmanagement

Grundlegende Rahmenbedingungen und Zielsetzungen des Projektmanagements, Terminologie und Methodik der Projektplanung, projektorientierte Ablaufplanung (Netzplantechnik), Anwendung von MS Project, Ressourcenmanagement, Mehrprojekttechnik, Projektcontrolling und Berichtswesen

Betriebswirtschaftslehre

Projekte aus bilanzieller Sicht, Kosten- und Erfolgsrechnung von Projekten, Bewertungsverfahren langfristiger Projekte, BWL Fallstudie, Business Planning- von der Geschäftsidee zur Umsetzung unter Berücksichtigung von Markt, Chancen und Risiken, Kosten und Finanzierung, Projekte finanzieren, Fundraising, Förderprogramme, Projektanträge

Selbst- und Zeitmanagement

Ziele klar definieren, planen und ein optimiertes Zeitmanagement effizient strukturieren und fristgerecht umsetzen

Marketingmanagement

Marktorientierte Unternehmensführung und strategische Planung, Entwicklung von anwendungsorientierte Unternehmens- und Marketingkonzepten

Rhetorik, Präsentation

Freie Rede, Argumentation, Gesprächsführung und überzeugende Präsentationen, Verhandlungstraining

Persönlichkeitstraining

Teamtraining, Führungstraining, Moderation, persönliche Marketingstrategien

Projektarbeit

Entwicklung und Dokumentation eines praxisbezogenen Projektplans unter Anwendung der Software MS Project, Projektbeschreibung, Ablaufplan, Ressourcenplan, Kostenplan

> ATV GmbH Bernhard-Feilchenfeld-Straße 11 50969 Köln

Telefon 0221.93 64 550 Telefax 0221.93 64 55 11 koeln@atv-seminare.de