

周运

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工作经历

深圳市智天物联科技有限公司

2021年08月 - 至今

产品技术经理

深圳

- 加入公司时担任研发项目经理，负责协调固件/软件工程团队与美国合作团队之间的沟通，梳理并收集客户需求，根据需求制定相应的软件产品方案，推动国内工程团队实现，并确保项目关键交付节点的达成，维护项目进度和质量。
- 经过8个月的历练，晋升为产品技术经理，带领2位团队成员专注于工程团队的数据分析需求，为CTO、产品总监、固件工程和测试团队，以及工厂提供数据支持。
- 从无到有搭建内部数据分析体系，为CTO提供实时的固件版本可靠性对比看板，为固件工程和测试团队提供便捷的数据提取工具和可视化报表，从而加快问题发现和解决的速度，提高团队效率和产品质量。
- 帮助美国合作团队搭建AWS QuickSight看板，以便展示分销商销售趋势；使用AWS Glue完成ETL管道原型搭建，为后续多数据源的数据整合和分析做预研。
- 为工厂决策人员提供数据看板和数据工具、周报，直观展示各项目的生产良率；同时优化数据存储和产测数据交付流程，提高数据质量和加快数据工具的研发速度。

Pinterest

2019年12月 - 2021年03月

软件工程师

旧金山

- 在内部工具部门工作，通过发送网页端用户问卷，对接第三方数据标注API，以提高搜索和推荐质量。
- 负责A/B和A/A test两个工具部分的代码重构，实现代码共享和可扩展性，提高代码的复用性和灵活性。
- 引入Jupyter报告，完成了对数据标注质量的不定期抽查和对以往标注过数据的处理，为部门提供对已有标注数据的全面认识。
- 在A/B test平台完成埋点工作，协助数据科学家同事搭建内部仪表盘，用于监测A/B test样本量，从而提高实验的可信度。

微软

2017年07月 - 2019年11月

软件工程师

贝尔维尤

- 负责Azure机器学习平台特征工程Python SDK的设计与开发，重点专注于特征选择模块。与产品经理紧密合作，根据需求变更快速迭代和上线模块，保证项目进度与质量。
- 实现日志采集的埋点，使用内部组件搭建仪表盘，以进行用户行为分析，为产品优化提供数据支持。
- 参与完成TB级别Office产品用户数据离线数据管道的搭建，实现用户行为、用户邮件、文档等日志数据的存储、分析与挖掘。在平台上线后，及时解决线上故障与报错，解决数据倾斜等问题，保证系统的稳定性与性能。
- 成功完成数据管道的迁移，提升系统的稳定性，将运行时间缩短至原来的1/6，提高了系统的运行效率。

Netscout

2015年01月 - 2017年07月

软件工程师

伯克利

- 在可视化部门，负责开发桌面应用，主要用于通信网络的规划和调优。
- 使用C++和Qt进行项目开发，设计并实现基站ID和基站名称在各个前端组件之间的切换方案，顺利通过了测试并成功上线。
- 配合后端接口实现用户验证登录和自定义参数功能，提升了用户体验和系统安全性。

专业技能

- 熟悉Python编程，熟练使用pandas, numpy, matplotlib包
- 熟练使用SQL语言
- 熟练使用Excel，数据透视工具以及基本统计
- 熟练使用AWS QuickSight, Grafana创建仪表盘
- 了解Hadoop, Spark大数据平台
- 了解Linux基本命令和常用操作
- 熟练使用git等版本控制工具

教育经历

罗切斯特大学

2012年09月 - 2014年05月

电子工程 硕士

纽约州

南京邮电大学

2008年09月 - 2012年06月

通信工程 本科

南京

个人总结

- 6年海外，1年半国内软件研发经验，对新技术有学习热情。
- 熟悉数据相关的工具开发和数据分析，研发经验围绕着数据的各个方面，参与开发过数据可视化工具，数据ETL，机器学习SDK，数据标注工具。具有传感器数据相关的项目经验。
- 具备良好的沟通能力和团队合作精神，能够快速适应新环境。学习能力强，做事认真仔细。

Yun Zhou

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PROFESSIONAL EXPERIENCE

Sybersense IoT Co., Ltd

Aug 2021 - Present

Data Analytics Manager

Shenzhen

- Hired as Technical Program Manager to interface with US partners on firmware and software integration projects. Scheduled and led status meetings, communicated project status and key issues on a regular basis to ensure project reporting is consistent to management, engineering team and external project stakeholders.
- Promoted to Data Analytics Manager after 8 months as my analytics skill can be better applied to data collected from various devices (camera/gateway/sensor). Led development of internal data tools to support health monitoring of connected devices, leveraging data science tools such as Jupyter notebooks, Pandas.
- Developed and refined top level metrics to track firmware reliability of each release, provided weekly report to C-level executives highlighting opportunities for improvement.
- Enabled debugging, testing and evaluation of firmware reliability during development by creating dashboards for firmware engineers and QAs, allowing them to self-serve raw data and insights.
- Built AWS QuickSight dashboards to support data-driven decision making on sales and operations.
- Prototyped ETL data pipelines with AWS Glue, using components such as Data Catalog table, crawler, ETL job and workflow.
- Created dashboards and provided weekly report to C-level executives on factory operation with metrics such as manufacturing yield. Optimized manufacturing database structure and introduced data checklist to improve data quality and speed up data tool development.

Pinterest

Dec 2019 - Mar 2021

Software Engineer

San Francisco, CA

- Worked on platforms that improve search and recommendation through crowdsourcing.
- Full stack web development of survey and other internal tools that interact with external data labeling platform.
- Partnered with product manager and data scientists to create insights that enable data-driven decision making through experiment tracking and statistical analysis.

Microsoft

Jul 2017 - Nov 2019

Software Engineer

Bellevue, WA

- Worked in automated machine learning team, part of Azure Machine Learning, with a mission to help data scientists, analysts and developers build ML models with efficiency while sustaining model quality.
- Designed and developed feature selection Python SDK for Azure ML, leveraging open source libraries such as Numpy, Pandas, Scipy and Scikit-learn.
- Collaborated with data scientists to tune and optimize algorithms to reduce memory consumption and latency.
- Worked in AI Data and Infrastructure team, focused on building data service for 80+ applied scientists to facilitate internal machine learning and deep learning experimentation with Office data.
- Created and maintained offline pipelines that process high volume of user data (Emails, Email Actions, Documents, Calendars) using Azure Data Lake.
- Migrated data pipelines to native Azure Data Lake environment that led to cost and cooking time reduction.

NETSCOUT

Jan 2015 - Jul 2017

Software Engineer

Berkeley, CA

- Worked in analytics and visualization team for flagship product TrueCall®, an industry leading telecom geo-analytics platform in use by major mobile network operators including Verizon and T-Mobile.
- Improved software usability by supporting cell tower name and ID in various UI widgets for more flexible visualization and filter experience.
- Enhanced multiple UI widgets (written in C++ and Qt) such as report tables, options, selection dialog with new and smart features.
- Created Bash and Python scripts to assist and speed up deployment process.

EDUCATION

University of Rochester

Aug 2012 - May 2014

Electrical Engineering Master

Rochester, NY

- GPA: 3.85

Nanjing University of Posts and Telecommunications

Sep 2008 - Jun 2012

Telecommunications Engineering Bachelor

Nanjing

- Honors and Awards: Outstanding Student, First-Class Scholarship

SKILLS

- Programming Languages: Python (Proficient), Java (Familiar), C++ (Prior Experience)
- Data Science Tools/Libraries: Pandas, Numpy, Matplotlib, Scikit-learn, SQL (Proficient)
- Big Data Tools: Spark, Presto, Airflow (Working Knowledge)
- Cloud Platforms: AWS, Azure (Familiar)
- Dashboards: AWS QuickSight, Grafana (Working Knowledge), Tableau (Familiar)
- Tools: Jupyter Notebook, Docker, Excel (Proficient), Bash, Git/Github, JIRA (Working Knowledge)
- Computer Science Courses: Data Structure and Algorithms, Web Development, Cloud Computing, Distributed systems design and development, Big Data, Machine Learning, Deep Learning Specialization