

Resumé

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Work Experience

Senior Software Engineer, Appier., Jun. 2020 - Now

- Help e-commerce business owners to deliver time limited offer to shoppers and drive purchases. Bridge AI technology and marketing campaign via machine learning engineering and data system architecture.
- Scale the model training/serving service, database and infrastructure to serve doubled traffic and clients. Build up a backend infrastructure failure alert and data health monitoring system.

Software Developer, Freelancer, Sep. 2018 - May. 2020

- Build and design infrastructure and software with Continuous Integration/Delivery methodology on top of Amazon Web Services (AWS) cloud. Leverage cloud services to facilitate the team collaboration.
- Data analysis / engineering with Mozilla Taipei Business Intelligence team on telemetry data with Million users. Provide daily / weekly / monthly key metrics and dashboard including Product Retention, Engagements, Click-Through Rate, Conversion Rate and Return-On-Investment to Product Manager / Designer / Marketing / Engineer team. Help the team to keep on a data-driven and experiment-driven practice. Leverage technology stacks including Google Bigquery, SQL, Cloud Storage, Airflow, Kubernetes, Redash visualization and Dataprep.

Software Engineer, Canonical Ltd. Customer Engineering, Feb. 2015 - Jul. 2018

- Help customers succeed with Ubuntu. Work on Ubuntu preload project. Resolve Ubuntu Linux preloaded issues across userspace stacks. Ensure Long-Term-Support Ubuntu works on Ubuntu Certified hardware out-of-box and deliver essential software online updates.
- Develop Ubuntu Core which focuses on security, reliable updates and trust-able apps on open ecosystem. Deliver Ubuntu Core Operating system and snap packages on Dell IOT Gateway, Intel Joule Developer board and Intel Euclid Development Kit. Collaborate with commercial partners to improve initial setup for Ubuntu-based products.

Product Developer, Synology Inc., Apr. 2014 - Jan. 2015

- Develop Network Attached Storage (NAS) operating system and release major update pack, security patches on a regular basis. Implement interactive web-based user interface, Web API and SDK functions. Increase usability for customers to access and share documents.
- Provide technical support and consultation to end-customers.

Software Engineer, Micro-Star International Co., Ltd (MSI), Nov. 2010 - Sep. 2013

- Build customized Robot software and Human-Robot Interface on linux embedded systems. Build cross-platform software suite for autonomous robot field tests.

Education

National Taiwan University, Taipei, Taiwan,

- M. S., Computer Science and Information Engineering, 2008-2010
 - B. S., Mathematics, 2004-2008
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Skills

- Years in software development. Experienced in large-scale open source, collaboration with cross-border colleagues and partners.
- Experienced data-driven developer in martech industry with collaboration with data scientist and marketer.
- Proficient in System diagnosis and debugging with various open-source tools, especially on Ubuntu/Debian software stack.

Publication

Chen-Han Hsiao and Chieh-Chih Wang, Achieving undelayed initialization in monocular SLAM with generalized objects using velocity estimate-based classification, Robotics and Automation (ICRA), 2011 IEEE International Conference on , pp.4060,4066, 9-13 May 2011.
