Tung Huynh

tunghuynh314@gmail.com ◇ +1 (281) 250 0457 ◇ in/huynhtung ◇ github.com/magiciiboy

WORK EXPERIENCE

Senior Software Engineer - ML and Data Platform
Ficus.ai - SEEDCOM
1 yr 3 mos | **May 2019 - Present**
Singapore

- ◇ Designed and deployed a lambda-architecture data platform to process heterogeneous data.
- ◇ Built ML pipelines (on Kubeflow) to train, test; deployed RESTful API services to serve, track, and A/B test customer-centric solutions such as fashion product recommender, LTV prediction, customer segmentation, churn prediction.
- ◇ Developed a new scalable data visualization system (Superset + d3.js); migrated data from old systems.

Selected Achievements: ★ Be the first core engineer, expanded the core team from two to 10+ members.
★ Gracefully launched the data platform that processes data of 4+ million customers.
★ Transformed the old single-tenant daily reporting system to a multi-tenant sub-hourly one.
★ Optimized and reduced 30% query cost by caching on average.

Advanced Tech Skills: ML/Data Platform Architecture, Deep Learning, RecSys, Tracking Systems, A/B Testing
GCP, k8s, BigQuery, Kubeflow, Kafka Connect, Nifi, MLFlow, RAPIDS.ai, Data Studio, Tableau

Research Assistant
Computational Physiology Lab, UH & UTHealth (Part-time)
1 yr | **Aug 2019 - Aug 2020**
Houston, TX

- ◇ Applied advanced statistical methods to analyze clinical trial data and built ML models to predict anti-depressant treatment response in patients.
- ◇ Extracted, transformed, validated multi-modal + time-series data sets, including physiological, psychometrics data.

Selected Achievements: ★ Increased AUC of ML model to 13%.

Advanced Tech Skills: Digital Signal Processing, Time-series analysis | Python, R, FFT, Tensorflow, PyTorch, RNN/CNN

Senior Software Engineer
Fiuzu Pte. Ltd.
3 yrs 7 mos | **Nov 2015 - May 2019**
Singapore

- ◇ Designed, developed, deployed high scalable web messaging applications and RESTful API services.
- ◇ Deployed trip planning optimization algorithm based on travel preferences, including destinations, duration, and budget.
- ◇ Prepared material and coach new interns.

Selected Achievements: ★ Winner of Samsung Regional Mobile App Challenge.
★ Winner of Singtel Acceleration Challenge.

Advanced Tech Skills: Web/Mobile Apps, TDD, RESTful API, Job Queue, Batch/Streaming Data, DevOps, CI/CD
Java, Python, Javascript, Spring MVC, Django, ReactJS, NoSQL, Redis, Airflow, Jenkin, Docker

R&D Engineer - High-Performance Computing Group
*Institute of High-Performance Computing, A*STAR*
1 yr 10 mos | **Dec 2013 - Oct 2015**
Singapore

- ◇ Optimized the performance of a cardiovascular screening application by implementing multiple parallel strategies.

Selected Achievements: ★ Reduced data processing & analytic time by 350% with same accuracy outcome.

Tech Skills: Computer Vision, Distributed Computing | C/C++, OpenMP, MPI, Multi-core CPU, GPU, Hadoop, Spark

R&D Engineer Intern
Zing Me Social Network - VNG Corporation
4 mos | **Aug 2012 - Dec 2012**
Vietnam

- ◇ Contributed to building a scalable music recommender for 2 million users of the largest music streaming service in Vietnam.

Selected Achievements: ★ Increased 30% click-through and 15% average session duration.

Tech Skills: Recommendation Systems, NLP, Web Scraping | Python, PHP, RDBMS, GateNLP, Scrapy

PROJECTS

Detecting of Cyber-bullying Languages of Noisy Text on Social Media (NLP)
Feb 2020

- ◇ Applied Jointly Hierarchical Attention Network (HAN) to significantly improve the performance of the model (macro $F_1 = 0.9894$) and speed up the convergence by reducing 27% number of iterations.

LEADERSHIP & ENTREPRENEURSHIP EXPERIENCE

Justgola.com (Seed funded)
Co-founder & Head of Product Development
Nov 2014 - Jul 2018
Singapore

- ◇ Lead and managed a team of 20 members that consists of developers, BA, QA, designers, and interns.
- ◇ Designed and deployed an end-to-end system of website and mobile apps, serving 0.5 million users per month in 3+ years.

EDUCATION

University of Houston
M.S. in Computer Science - Data Analytics (GPA: 3.8/4.0)
Spring 2019 - Summer 2020
Houston, TX

University of Information Technology - VNU
B.S. in Information Systems (Top 1 in class)
Fall 2007 - Fall 2012
HCM City, Vietnam