Huy Quang Duong

Phone	+47 9842 0887	Source Code	`https://bitbucket.org/duonghuy`
Email	`huydqyb@gmail.com`	Linkedin	`https://www.linkedin.com/duonghuy`

Summary

Experienced software developer and researcher with 16+ years of experience, including 11+ years in industry and 5 years in academia, working on developing business and scientific solutions based on cutting-edge technologies and advance algorithms. Demonstrated skillful with C#, C++, Java, Python, and Matlab with traced records of innovative breakthrough scientific publications.

Work Experience

Stingray Marine Solutions AS, Oslo, Norway - *Senior Software Developer*　　　　　**2020 - Present**
 – Navigator Backend, Command Gateway, Simulator, Frontend for routing commands between nodes and users.
 – Rest Api, Background Service, NetCore, MongoDb, OAuth2, Message Queue, CQRS, React, Blazor, SignalR.

Department of Computer Science, NTNU, Trondheim, Norway - *Research Fellow*　　**Mar 2017 - Nov 2020**
 – Developed solutions and theoretical foundations for event detection (changes, anomalies, fraud and network attack), novel algorithm for multiple dense subtensor and subgraph detection, improved accuracy on density two million times and 6.9 times faster. For more details, please check `Google Scholar` page. Use Java, MatLab, Python.

Military Bank, Hanoi, Vietnam - *Senior Software Engineer*　　　　　　　　　　　**2013 - 2014**
 – Developed enterprise applications (HR) and business processing management (BPM) (appraisal process, loan process) using Software-AG product, Process Maker, service monitoring tool. Advised and fixed vulnerabilities and flaws of applications and systems. Use web & windows services, Software-AG, SQL-Server, .NET, C#.

VTCMobile, Hanoi, Vietnam - *Solution Architect, Team Leader*　　　　　　　　　**2011 - 2013**
 – Built Back-End framework, designed and constructed MongoDB system (servers, slaves, log, shading & repli-caset) services for applications and games on mobile platform. Analyzed, designed databases and developed backends, restful services using C#, .NET, SQL-Server, NoSQL-MongoDB, OAuth.

CDIT, Center for Development of Information Technology, Hanoi, Vietnam - *Researcher*　　**2006 - 2011**
 – Designed solutions and developed applications for Vietnam Post, used in all post offices in all cities and provinces: Telecommunications service management, money transfer service management, parcel and package management, auto-update application. Use windows & web based applications, .NET, C#, SQL-Server, Oracle.

At the same time, I held a position as outsource software engineer at Vingroup, Vietnam (2006-2010). Built HR system, Booking online, Member Management System, Real Estate Management.

Vinacomm (VCCorp), Hanoi, Vietnam - *Software Engineer*　　　　　　　　　　　**2004 - 2006**
 – Built content management system, news and financial (stock) service applications. Built indicator, candle, pattern recognition and rebuilt system with new technology, C#, .NET, MemCache, NoSQL-Redis.

Honors and Awards

– **National award in Mathematics**	*For senior high school students*	**1999**
– **Potential Employee of the Year** Award	*MBBank (∼6.9K employees)*	**2014**
– **Selected for Best Papers**	*The Industrial Conference on Data Mining Conference*	**2016**

Education

– **Ph.D. in Computer Science**	*NTNU, Trondheim, Norway*	**2017 - 2020**
– **M.Sc. in Computer Science**	*Hunan University, China*	**2014 - 2016**
– **B.S. in Computer Science**	*Hanoi University of Technology, Vietnam*	**1999 - 2004**

Skills

Programming: C#, .NetCore, Java, C++, Matlab, Python, Javascript, SQL/ NoSQL.
Data Science: Data Mining (MOA), Machine Learning (Scikit-learn, Keras, PyTorch, TensorFlow), SQL DB (SQL Server, Oracle, MySQL), NoSQL DB(MongoDB, Redis), Pandas, Numpy, Scipy, Matplotlib, Git.
Tools: Visual Studio (+Code), Eclipse, RStudio, Jira, Mantis Bug Tracker, Docker, Mind Manager, Ext.Net, DevExpress, PyCharm, CodeSmith Generator.

Publications

 – 16 peer-reviewed scientific articles.

Languages

Vietnamese (native), English (fluent), Norwegian (Level 2 at NTNU ∼ B1/B2 CEFR), Chinese (basic).