

Ted Nguyen

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- Experience building large scale B2B products with millions daily active users
- Knowledge of data-driven product vision and design discussions
- Hands-on experience with various data tools, e.g., PySpark, SQL Server, Azure Kusto, Cosmos DB

EDUCATION

Simon Fraser University

MSc, Interactive Arts & Technology

Vancouver, BC, Canada

2016 - 2018

Vietnam National University - HCMC, University of Science

BSc, Computer Science

Ho Chi Minh City, Vietnam

2011 - 2015

EXPERIENCE

Microsoft

2019 - Present

Software Engineer

- Work on a product to bring Enterprise search to Bing, Windows Search Box, and other canvases
- Conduct experiments on ranking model with results from several sources, compile scorecards, and present to ship room
- Build and automate data pipelines to track product growth, end-to-end, from raw client events to report dashboards
- Create, maintain, and monitor metric dashboards and live site alerts

iSpace Research Lab, Simon Fraser University

2016 - 2018

Research Assistant

- Design and conduct user experiments using Virtual Reality (VR) technology
- Develop 3D simulations, which allows parameterization for different experiment conditions (A/B testing), and efficiently tracking user behaviors in the virtual world
- Conduct data analysis with statistic tests, compile and publish scientific reports

Simon Fraser University

2017 - 2018

Teaching Assistant

- Teach OOP, data structure, searching algorithms, and design patterns, illustrating with hands-on programming tutorials in Java
- Introduce and demonstrate common research methods in Human-Computer Interaction (HCI)

PUBLICATION

NaviBoard and NaviChair

2018

Journal article published at IEEE Transactions on Visualization and Computer Graphics

- Proposed novel locomotion interfaces for VR in which users can efficiently navigate without getting motion sickness or spatial disorientation (which are major issues of VR at the time)
- More information available at <https://naviboard.thinh.ca>

Measuring orientation demand using brain signal and deep learning

2017

Paper presented at ACM SAVR 2017 workshop

- Applied CNN (ConvNet) to EEG signals, which can be lively collected using a portable Brain Computer Interface (BCI), to measure how much orientation demand users might need when moving in a virtual environment.