TED
THINH NGUYEN-VO

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in /thinhnguyenvo

INTRO

- Experience building large scale B2B products.
- Knowledge of multiple functional areas such as engineering, UX/UI, and product development.
- Experience with a number of data tools, e.g., Spark, Python, SQL, Azure Cosmos, Kusto.

EDUCATION

Master of Science   2018
Interactive Arts + Technology (HCI)
Simon Fraser University, BC, Canada

Bachelor of Science   2015
Computer Science
Vietnam National University HCMC, Vietnam

PUBLICATION

NaviBoard and NaviChair
Journal article published at IEEE Transactions on Visualization and Computer Graphics (TVCG).
https://doi.org/10.1109/TVCG.2019.2935730

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 as of now).

More videos available at https://naviboard.thinh.ca

Measuring orientation demand using brain signal and deep learning
Paper presented at ACM SAVR 2017 workshop
http://summit.sfu.ca/item/18170

Applied CNN to EEG signals to measure how much orientation demand users might need when moving in a virtual environment.

EXPERIENCE

Software Engineer   2019 - present
Microsoft

Work on bringing enterprise search to Bing.com, the product is known as Bing at Work or Bing for Business.

Drive product vision and design discussions, as part of the Metrics feature crew.

My major contributions:

- Maintain a client telemetry platform developed in React.js for the product.
- Manage several analytic pipelines for big data processing.
- Create, maintain, and monitor metric dashboards and live site alerts.

Research Assistant   2016 - 2018
iSpace Research Lab, Simon Fraser University

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.

Teaching Assistant   2017 - 2018
Simon Fraser University

Teach OOP, data structure, searching algorithms, and design patterns, illustrating with programming tutorials in Java.

Introduce and demonstrate common research methods in Human-Computer Interaction (HCI).