

David Thong Nguyen

Software Product Engineer

Contact

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Summary

Driven software product engineer, with experience in fast-paced environments and ability to work independently or with a team.

Interested in developing meaningful human-computer interactions on any platforms.

Education

Rochester Institute of Technology

B.S. Software Engineering 2018

Focus: Software Usability, Psychology

GPA: 3.26

Skills

FRONTEND TECH: Angular*, RxJS, React, JavaScript, TypeScript, SCSS, Animation

BACKEND TECH: Node, Java, C#, GraphQL

DATABASE: MongoDB/NoSQL, SQL

PLATFORMS: Google Cloud Platform, Heroku, Slack Apps, Wordpress

SYSTEM: GitHub version control, Linux command line

ENGINEERING: Scrum/Agile lead*, UML architecture design, usability testing

FAVORITE TOOLS: Trello*, Slack, Toggl

(*): key skills

Key Projects

AlgoVisuo - [Demo](#) | [GitHub](#)

An algorithm visualizer, inspired by Clement Mihailescu (CEO of AlgoExpert). The project serves as a mean to review data structures and algorithms, as well as to further knowledge of reactive programming with RxJS. Previously implemented popular sorting algorithms and currently making Dijkstra and A* pathfinding visualizer.

QuizWhizz - [Demo](#) | [GitHub](#)

Hyper-casual math game, in which problems and questions are produced by reverse engineering any randomly-generated integer values. Each question and answer is sent from and re-solved by the server in real time to ensure the integrity of user requests. Developed as an internship challenge to showcase creativity and execution.

Chess Game - [GitHub](#)

Game of chess served as a medium to learn real-time multiplayer game development on the web. Experimented GraphQL Subscriptions and Firebase Realtime Database to maintain connections game session. Developed with security and performance tradeoffs in mind.

Airline-Seat Styled Room Selection (sponsored by StarRez) - [Website](#)

Informative dorm room selection app, where students can easily interact with the canvas-based, admin-provided floor plan and find their dream room. As main duty, decoupled ASP.NET's inefficient MVC by leveraging Angular's performant asynchronous and two-way binding features. Led team as Scrum Master for this capstone project sponsored by StarRez, a world-leader in student housing solutions.

Employment

MARCH 2019 - PRESENT

Globalinx LLC (Hillside Farms), CA - *Software Engineer Intern*

Renovating legacy sites for 3 brands of pet treats manufactured and sold by the company.

Building a functional product catalogue for the Private Label sector.

AUGUST 2016 - MAY 2017

Fancy Pants Group, NY - *Web Development Intern*

Spearheaded an API-aggregation software - Job The Builder (featured in this [blog](#)) - which consistently streamlined the project startup process for Creative Producers. The result was an 83% of startup time saved per project.

MAY 2016 - AUGUST 2016

Undergraduate Admissions Office at RIT, NY - *Web Development Intern*

Unified designs for a news aggregator that would appear on the University's homepage. Completely renovated the Undergraduate office's homepage.

Volunteering

MAY 2018 - AUGUST 2018

VATO E-Commerce Corporation, Vietnam

Joined the Board of Directors to discuss technological strategies - regarding the ride-hailing app in the short term and its e-commerce ecosystem in the long term. Developed a private authentication server to cut company expenses on Google Firebase.