

# David Thong Nguyen

## Software Product Engineer

### 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.

### Contact

work@davidtn.com  
(929) 216-7509  
[linkedin.com/in/david-tn](https://www.linkedin.com/in/david-tn)  
[github.com/drageaux](https://github.com/drageaux)

### 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.