

Dat Tran

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EDUCATION

Truman State University, Class of 2022

Kirksville, MO

- Bachelor of Science in Computer Science
- President's Honorary Scholarship

Midterm GPA: 4.0

Relevant Coursework:

- Foundation of Computer Science I
- Algorithms: Design and Analysis (Stanford)
- Mathematics for Computer Science (MIT)
- Introduction to Website Development (Codecademy)

Programming languages and technologies:

- C++, Java, HTML/CSS, Javascript, PHP, Pascal
- Latex, Linux, MAC OSX, Windows, Eclipse, Git, Github, Google App Engine, Uniserver

WORK EXPERIENCE

Kindmate.net - Tech Intern

3/2018 - 6/2018

- Helped build an online store, using HTML/CSS and Javascript.
- Updated and kept track data of books.

Elite Prep Vietnam - Data Supporter

5/2017 - 5/2018

- Designed a programming using Max-flow and Ford-Fulkerson algorithms to schedule classes, maximizing the number of students who can attend a lesson.

Hung Yen High School For The Gifted - Teaching Assistant

2/2017 - 6/2018

- Taught algorithms and data structures for 8 students; helped them troubleshoot programs
- Helped teachers build a server collecting and grading students' assignments

ACTIVITIES

ACM International Collegiate Programming Contest - Team Leader

Fall 2018 - Present

- Collect competitive-programming problems and tutor other team members

Association for Computing Machinery - Member

Fall 2018 - Present

Truman's Quidditch Team - Member

Fall 2018 - Present

Internet Schooling - Founder

2013 - 2014

- Founded an online, free tutoring forum, based on social media;
- Arranged tutoring sections; Hosted a writing contest attracting more than 40,000 votes.

PROJECTS

Collection "Algorithm: Zero to Hero"

- A collection of algorithms, data structures, and related problems: Sorting, dynamic programming, graphs, strings, trie, binary index tree, segment tree, matrix, max-flow min-cost...

Flazhcard

- Study-card app implemented in HTML5/Javascript which allows users to create, set-up, and share their decks and flashcards.

Wrong-test-finder

- A program (for C++ and Pascal) which can generate test cases for competitive-programming problems and compare the output with the results, helping users find the bugs in the program more easily.

Cowboycoder.tech

- A website sharing coding problems and solution, as well as series of learning tips written or translated to Vietnamese, helping Vietnamese students approach Informatics.

IT Team's Server

- A server for local coding competition built with Uniserver and PHP which collect users' programs, grades them, and present results on Ranking tab.

HONORS AND AWARDS

Vietnam National Olympiad in Informatics - 2nd Prize

- The most desirable competition for high school students in Vietnam
- Solved 6 problems which require in-depth knowledge of data structures, algorithms, and graph theories, and great coding skills.

Teen Entrepreneur 2017 - Top 20 Finalist

- Got in the top 20 with the idea of Pridechat - a discreet and trustworthy social network for LGBTQ+ community.

Odon Vallet Scholarship - Top 200 Outstanding students in STEM

National Youth Competition in Applied Programming - 4th Prize

Truman State University's Annual Coding Challenge - Winner