

Khoa Tran

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WORK EXPERIENCE

Dialogue Across Borders

September 2022 – December 2022

Software Engineer Internship

Hoboken, NJ

- Assist the client, founder of the website, in reviving the site with a better foundation and more intuitive interface in hopes of spreading and improving intercultural awareness between Arab-West and Muslim-Christian.
- Resolve database accessibility issues to ease the process of storing/retrieving numerous articles and reports.
- Migrated the entire application from Drupal 7 to Drupal 9.

Koo Chinese Academy

June 2022 – August 2022

Summer Python Teacher

Basking Ridge, NJ

- Prepared a summer worth of intensive coursework that covers the basics and many advanced python topics
- Conducted and closely monitored two classrooms of 15 students for 20 hours a week

Stevens Institute of Technology

January 2022 – December 2022

Computer Science Tutor

Hoboken, NJ

- Worked closely with multiple students 20 hours per week to teach the fundamentals of Systems Programming, Data Structures and Algorithms, and Computer Architecture and Design.
- Organized up to 5 one on one or group tutoring sessions each week both virtually and in-person and collaborated with other tutors to improve the instructional environment.

PROJECTS

UInvited (Full Stack) (JavaScript, MongoDB, HTML, CSS)

- Web application to make events invitations easier, faster, and way for interesting.
- Allows user to post events that their connected friends and family to RSVP to on each of their feeds page.
- Application will also let anyone who attended the events to post pictures from the event to the event post and store pictures into database until post is removed.

Ad-hoc OLAP Processor (Java, SQL)

- Built a query processing engine for Ad-hoc OLAP queries.
- The query construct is based on an extended SQL syntax known as MF and EMF queries (i.e., Multi-Feature and Extended Multi-Feature queries).

Sudoku

- Developed a web application that allows the user to play the classical game Sudoku.
- Utilized efficient algorithms to generate a random board and check whether a move is valid and if the game has been completed and the solution is correct.

EDUCATION

Stevens Institute of Technology

Graduation 12, 2023

BS, Computer Science

Hoboken, NJ

- Maintained a 3.88 GPA
- President of the Badminton Club

SKILLS & INTERESTS

- **Knowledge:** Java, SQL, Python, JavaScript, C, C++, CSS, HTML, Swift, React, TailwindCSS
- **Software:** PostgreSQL, MongoDB, PowerBI, Visual Studio, MS Office, AWS
- **Skills:** Microsoft certified in Word, Excel, and PowerPoint, time management, highly adaptable.
- **Interests:** Badminton, Snowboarding, Charity, F1 Racing, Stand-up comedy.