

# Omar Khuatbyek

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## Education

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### Bachelor of Science in Computer Science

Aug 2019 - Dec 2023

NORTH AMERICAN UNIVERSITY

Overall GPA: 3.47

## Skills

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- **Programming Languages:** JavaScript · TypeScript · Python · Java · HTML/CSS · JSON · C/C++ · PHP
- **Databases & Frameworks:** React · Express · Node · Django · Flask · MongoDB · PostgreSQL · MySQL · REST API
- **Technologies:** Git · AWS · Docker · Agile · Linux · Windows · Azure · Visual Studio · Postman · WordPress
- **Soft Skills:** Communication · Teamwork · Problem-Solving · Analytical Thinking · Attention to Detail

## Professional Experience

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### Web Developer

Sep 2022 - May 2023

NORTH AMERICAN UNIVERSITY

Houston, Texas

- Optimized six university WordPress websites, executing weekly maintenance protocols directed by the supervisor. Achieved a 98% uptime rate, fortifying site security and ensuring optimal functionality. This resulted in an enriched user experience, contributing to overall positive feedback and satisfaction.
- Enhanced website design and content strategically, leading to a remarkable 25% surge in average time spent on the site, a 15% boost in page views, and a 10% reduction in bounce rate.
- Troubleshooted technical issues and reduce website downtime by 50% through quick identification and resolution
- Developed two pivotal projects for college staff, employing cutting-edge technologies—Django, Flask, PostgreSQL, and MERN stack. Elevated operational efficiency and user experience, fostering streamlined processes and advanced functionality.

### Computer Science Tutor

Sep 2021 - May 2022

NORTH AMERICAN UNIVERSITY

Houston, TX

- Elevated student mastery in object-oriented programming and algorithms by providing targeted support. Implemented tailored teaching strategies, resulting in a 20% increase in average assignment scores, indicative of improved comprehension and enhanced program performance.
- Developed and delivered interactive computer science lessons, increasing student comprehension. Earned positive feedback from 95% of students and peers, affirming the clarity and engagement of the lessons
- Provided assessments and quizzes to evaluate students' knowledge and progress. Reviewed their code and provided feedback on style, efficiency, and functionality once in two weeks

## Projects

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### OMK Shop [Link](#)

- Designed and developed a responsive e-commerce website application using Next.js
- Integrated Stripe to manage payments, products, shipping rates, and entire checkout process
- Implemented Sanity to handle databases, content, and file storage of the whole website, enabling a 50% increase in efficiency in updating and managing products and content

### Gate Access Bot [Link](#)

- Created a Python bot with Twilio integration for gate access in case of license plate recognition failure
- Enabled real-time communication and data storage: Implemented Twilio for instant messaging and MongoDB to store user conversations and license plate data.
- Improved user experience and operational efficiency: Enhanced gate access for users and streamlined issue reporting to the parking company, ultimately increasing overall operational efficiency by 25%.

### OMK Gym [Link](#)

- Created a fully functional, client-side fitness web application by using React
- Included functionalities to choose exercise categories and specific muscle groups
- Managed to access more than 1,000 exercises, exercise details, and display related YouTube videos using Rapid API

## Coursework

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- Web Application Development | Software Engineering | Algorithm | Data Structures | Operating Systems | Database Systems | Systems Programming | Programming Languages | Software Project Management | Software Analysis & Design | Data Mining | Cloud Computing