

Omar Elamri

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EDUCATION

University of California, Los Angeles (UCLA)

Expected June 2024

B.S. Computer Science, Technical Breadth in Mathematics, Electrical Engineering

- **UD GPA** 4.0

- **Relevant Coursework:**

Systems and Signals
Software Construction
Operating Systems

Neural Signal Processing
Machine Learning
Algorithms and Complexity

University of Minnesota, Twin Cities

September 2021 - May 2022

B.S Computer Science

- **UD GPA** 4.0
- **Dean's List** Fall 2021, Spring 2022
- **Relevant Coursework:**

Machine Architecture and Organization
Linear Algebra and Differential Equations
Advanced Programming Principles

Mathematical Modeling
Applied Linear Algebra
Foundations of Mathematics

TECHNICAL SKILLS

Software Engineering: Proficient in React, Node.js, UIKit, SwiftUI, MongoDB, Google Cloud Platform, Docker, Kubernetes, C, C++, Java, JavaScript, Swift, Raspberry Pi, NumPy, SciPy

Computer: Microsoft Office, Adobe Creative Suite, Final Cut Pro, MATLAB, Jupyter Notebooks, Windows, macOS, Linux

WORK EXPERIENCE

Walleye Capital

Plymouth, MN

Part-Time Software Engineer

June 2022 - Present

- Designed 5 interactive widgets for Walleye's Deephaven DB system using Java Swing
- Constructed 2 proposals to transition Walleye's Trading Desk's tools to modern web technologies—increasing trading volume by 2%
- Collaborated with 2 quant developers to ensure financial widgets work with a 99.975% uptime
- Worked directly under Walleye's Chief Technology Officer

EA Ideas, LLC

Minnetonka, MN

Software Developer, Videographer

2015 - Present

- Created enterprise-class videos for over 20 corporate customers with 15% quicker turnaround times using Apple Motion.
- Increased efficiency by writing over 40 scripts and snippets to aid Wix's website development platform with Wix Velo
- Developed 13 web-based applications with React, Node.js, PM2 for various enterprises such as Horwitz, Sisyphus Industries, and more—encompassing industries including construction, banking, and product development

Walleye Trading Advisors

Plymouth, MN

Intern, Software Engineering

June 2019 - July 2019

- Built a command-line application, integrates Microsoft Teams with RingCentral to help employees use only one service with Node.js
- Wrote 5 shell scripts with Microsoft PowerShell to facilitate over 40 FTP file transfers from 5 servers across the company intranet
- Collaborated with 3 software engineers in the company; launched to 20 employees with help from HR

PROJECTS

Digitr App

2017 - Present

- Engineered a hallway pass application, keeps record of students' hallway activities with a multi-platform application
- Delivered to over 20 schools for free by rigorously advertising it through door-to-door referrals and word of mouth.
- Presented at 5 trade shows and formal events, lead to a 23% increase in customer acquisition
- Garnered laureates by placing 3rd place in Minnesota's Congressional App Challenge and first in Minnedemo 2019

Full Circle

2021 - 2022

- Created an application, paired over 20 students with mentors who have similar interests and backgrounds using technologies such as React, MongoDB, Ionic, and Google Cloud Functions
- Received constructive feedback with 95% of users being satisfied with its functionality and results
- Managed with 3 other students and stakeholders on UX decisions, increasing retention by 32%

Minnetonka Research, Minnetonka Public Schools

September 2020 - June 2021

- Researched and implemented a framework, combines front-end and back-end JavaScript technologies
- Pitched to a panel of 5 members, rigorously assessed its feasibility and potential use-cases
- Presented to 3 fairs in Minnesota with over 200 people as a direct audience
- Published to public Node Package Manager with 50 downloads

ACTIVITIES

UCLA Psi Beta Rho (division of ACM Cyber), *Member*

Pilipinos in Engineering and Science, *Member*

Arab American Association for Engineers and Architects, *Member*

Muslim Student Association, *Member*

Da'wah Member at Al-Amaan Center, *Volunteer*

ADDITIONAL SKILLS

Languages: Proficient in Arabic and French