Peter Minh Pham

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EDUCATION

California State University, Long Beach · **Expected Grad. May 2024**
B.S. Computer Science · GPA: 4.0
- Organizations: Association for Computing Machinery (ACM), Google Developer Student Clubs (GDSC), BeachHacks
- Honors and Scholarships: Stem Advantage Scholar, President's List (5x)

SKILLS

Languages: Python, Java, C++, C, C#, Javascript, HTML, CSS, SQL, Scheme, LISP
Technologies: React, Git, MongoDB, PostgreSQL, SQLAlchemy, AWS, TensorFlow, SKLearn, .NET, Redux, JUnit, Mockito

EXPERIENCE

Amazon · **Seattle, WA**
Software Development Engineer Intern · May 2023 - August 2023
- Engineered infrastructure for AWS Connect onboarding APIs using Java, AWS DynamoDB, AWS API Gateway, and numerous other AWS services + internal tools
- Developed and pitched design documentation including high-level architecture and low-level design for my implementation to my organization
- Created rigorous tests at the unit, integration, and system levels to ensure the utmost quality and fault tolerance for the APIs
- Improved API retry latency by over 50% through the deployment of my idempotency changes

California State University Long Beach College of Engineering · **Long Beach, CA**
Instructional Assistant · Jan 2023 - Present
- Assisted the primary professor with an algorithms course with over 80 students
- Developed auto-grading tools to analyze student algorithms, significantly enhancing accuracy in grading while reducing grading time by over 75%
- Hosted office hours to allow for an open environment for students to ask questions and receive assistance on course material
- Helped provide insight and assist with assignment creation

714Heat · **Remote**
Business Owner · Nov 2017 - Present
- Coordinated the consistent purchase of shoes and high-end clothing for the business's inventory
- Managed a brick-and-mortar consignment store alongside a reselling community of 100+ active members
- Performed market analysis to make information-backed and rational investments
- Facilitated over $500,000 in total sales while maintaining a profit ratio of 30% through the use of various social media marketing techniques

Mathnasium · **Fountain Valley, CA**
Mathematics Instructor · June 2021 - April 2023
- Educated students of various skills and ages from pre-k level to precalculus through interactive modes
- Designed personalized lesson plans for individual students to reinforce strengths and corroborate weaknesses
- Provided test and homework support for students in need

PROJECTS

- **Quickify (Javascript, Node,js, Express.js , React.js, Firebase, Socket.io, Spotify API)**
  Spearheaded the design and development of Quickify, a dynamic full-stack web application facilitating collaborative music exploration. Crafted a distinctive and interactive user interface using Figma. Engineered the backend with Spotify authentication for seamless login, Socket.io for real-time listening rooms and chat functionality, and FireStore for efficient data storage. Employed React.js, Material-UI, and Tailwind for frontend development, while leveraging the Spotify API to manage the music player and curate song recommendations.
- **Peter's Shop (JavaScript, MongoDB, Express.js, React.js, Node.js, Redux):**
  Pioneered the creation of an online store, Peter's Shop, showcasing personal items for sale. Developed an engaging frontend using React and seamlessly integrated it with a backend powered by Express and Redux. Leveraged MongoDB to store and manage data, ensuring optimal accessibility and scalability.
- **FlockDepot Bot (Python, MongoDB, TextNow, DiscordPY):**
  Engineered a robust Discord bot for a sneaker reselling server, enhancing communication by forwarding announcements via SMS through TextNow to members. Implemented a streamlined user verification process and devised methods to purge outdated or invalid phone numbers. Utilized Discord.py for Discord bot development, MongoDB for data management, and PYTextNow for mass SMS announcements during high-demand sneaker releases.

LEADERSHIP

Association for Computing Machinery · **Long Beach, CA**
Vice President · June 2022 - Present
- Directing collaboration with company sponsors, industry professionals, CSULB, and alumni to host the largest hackathon in Long Beach with over 150 participants
- Overseeing 10 other officers in the organization to host events and create a welcoming community at CSULB for students of all backgrounds