

David Pang

Full-Stack Software Developer | (508)-530-2325 | [Linkedin](#) | [GitHub](#) | [Email](#)

Education

New York University, College of Arts and Sciences

Graduation: May 2024

Bachelor of Arts in Computer Science, Minor in Economics

Relevant Courses: Data Structures, Applied Internet Technology, Operating Systems, Algorithms, Computer Systems Organization, Data Management and Analysis, Analytical Statistics, Macroeconomic Analysis, and Money and Banking

Noble and Greenough School

Graduation: May 2020

Languages/Technologies/Skills

Languages: Java, Javascript, Typescript, HTML/CSS, Python, SQL, C, Golang, C++, and R

Technologies: MySQL, React.js, MongoDB, Node.js, Docker, NoSQL, Google Cloud, GCP, Postgres, Spanner

Skills: Problem-solving, Algorithm Design, Data Structures, OOP, Computer Systems, Git, Computer Architecture, ESLint, Full Stack Development, 3-D Printing, G Suite, MS Suite, Generative LLM (Bard, Perplexity, ChatGPT, and Claude), Kubernetes, Debugging, Edge Cases, and AWS

Relevant Projects

ConnectU, New York City, NY

November 2023 - December 2023

Online Forum [Language: JavaScript, Node.js, Handlebars]

- Full stack development of a web forum, using JavaScript, Node.js, Passport.js, WebSockets, and MongoDB.
- Used the NYU server infrastructure to ensure high availability and provide backend support for up to 1,000 concurrent users
- Features: Secure user authentication, real-time interactions, efficient data handling, responsive design, real-time interactions, Asynchronous Programming, CRUD operations, MCV Architecture, and Version Control (GIT).

Door Run, New York City, NY

November 2022 - December 2022

Model Food Delivery App Database [Language: Python and SQL]

- Backend development and database design for managing a food delivery system using Python, SQL, and MySQL
- Designed to handle 10,000 orders and 5,000 user records, optimized SQL queries by 40% and ensured 99.9% database uptime
- Features: SQL Queries, Data Migration, Data Storage Optimization, Relational Databases, and platform to accommodate 50% increase in user activity without performance degradation

AllocX, New York City, NY

October 2022 - November 2022

Dynamic Memory Allocator Project [Language: C]

- Engineered a custom memory allocator in C, replicating the functionality of malloc and calloc, to manually manage dynamic memory allocation and deallocation.
 - Leveraged advanced concepts including Heap Management, Pointer Arithmetic, and Data Structures to fine-tune memory management, optimize performance, and ensure robust operation in dynamic environments.
 - Utilized Heap Management, Pointer Arithmetic, Memory Optimization, Data Structures, and Memory leak detection
-

Professional Experience

Remotasks, San Francisco, CA

January 2024 - Present

AI Data Specialist

- Trained AI LLM by leveraging technical expertise in object-oriented programming, relational databases, and data structures
- Collaborated with a diverse team of taskers to classify, tag, and edit technical materials, enhancing the consistency and reliability of AI training inputs.

Authright Inc, Dedham, MA

May 2022 - August 2022

Full Stack Software Engineer Intern

- Developed a web application called Authright Finhub utilizing React.js, Typescript, HTML/CSS, and MongoDB.
- Led a three-person team and participated in daily scrum meetings to create an application that integrated employees into a specialized Authright training program and recognized for leadership and problem-solving abilities
- Features: Full Stack Development, RESTful API Design, Agile Methodology, Version Control, Continuous Integration, User Authentication, Database management, UI/UX Design

The Cottage, Wellesley, MA

June 2021 - August 2021

Waiter's Assistant

- Worked in a fast-paced environment at an upscale restaurant prioritizing a clean and organized workspace
- Skills: Customer Service, Team Collaboration, Attention to detail, Communication, Work Ethic, and Multitasking