David Pang

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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

Programming Languages: Java, Javascript, Typescript, Node.js, Expres.js, React, React Native, Flutter, Python, SQL, C, C++
Database Technologies: MySQL, PostgreSQL, MongoDB
Cloud Platforms: AWS, Google Cloud Platform
Skills: Full Stack Development, API Design, Debugging, Computer Systems

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Professional Experience

StellarPay, New York, NY   **January 2025 - Present**
Fullstack Software Engineer
- Developed frontend UI and backend services for the StellarPay app, integrating StellarXLM for financial transactions.
- Built and shipped "Stellar Converter", a Flutter-based mobile app that converts fiat and crypto currencies.
- Designed and implemented the entire frontend UI and backend API for real-time currency conversion.
- Developed "George" AI-powered personal finance assistant using React Native with Google/Apple Auth and AWS S3 file uploads.
- Used Zustand and React Query for performant state and data management.
- Implemented responsive UI components and integrated native device features including haptic feedback and document handling

Remotasks, San Francisco, CA   **January 2024 - December 2024**
AI Data Specialist
- Labeled and edited technical content for LLM training, leveraging programming expertise to improve AI response quality.

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

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Relevant Projects

Sorting Algorithm Visualizer, Boston, MA   **August 2024 - September 2024**
Fullstack Software Engineering Product [Language: Javascript, React.js, Typescript, HTML, CSS]
- Developed a sorting algorithm visualizer using React and TypeScript, implementing algorithms such as QuickSort, MergeSort, and BubbleSort with real-time visual feedback.
- Incorporated visual highlights for key operations (e.g., pivot selection, comparisons, and swaps) to enhance user comprehension of sorting mechanics.
- Designed a dynamic interface for array generation and resetting, ensuring ease of use and interactive learning for users.

dpang117.com, Boston, MA   **August 2024 - September 2024**
Personal Website [Language: Javascript, React.js, Typescript, HTML, CSS, Bootstrap]
- Built and deployed a personal portfolio website using React.js and Vite.
- Deployed the project on AWS Amplify and configured a custom domain using Route 53.
- Implemented a sorting algorithm visualizer as a project feature to demonstrate technical skills in front-end development and algorithms.
- Managed DNS records and SSL certificates for secure hosting.

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).zation, Relational Databases, and platform to accommodate 50% increase in user activity without performance degradation