

Daniel Eduardo Lam He

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Education

Texas A&M University

College Station, Texas

Bachelor's Science, Computer Science; GPA: 3.9

Expected Graduation Dec 2025

Activities: [Hackathon HowdyHack 2023](#), [Third Place Winner Hackathon Datathon 2023](#)

Bellevue College

Bellevue, Washington

Associate's Degree, Computer Science; GPA 3.97

September 2021 - June 2023

Activities & Awards: Student Council; President, Tech Club; Communications Officer, Phi Theta Kappa; Recipient, First Generation College Scholarship; USHLI National Conference; Treasurer, Latinx Students of Bellevue College

Experience

Software Development Intern

Seattle, Washington

Amazon

May 2024 – August 2024

- Created a modular UI and backend structure, facilitating future model-type additions and reducing integration time by 30%, following best practices in software design patterns.
- Improved data retrieval speed by 20% and reduced latency by 15% using AWS Lambda, Streams, SNS, SQS, and DynamoDB by optimizing query performance and streamlining data processing workflows.
- Led and developed a full-stack web application utilizing scrum methodology with biweekly sprints, using AWS Lambda, API Gateway, Python, TypeScript, React, and DynamoDB, improving scalability by 25% and reducing costs by 10%.

Front-End Developer Intern

College Station, Texas

Torres & Associates, LLC

February 2024 – May 2024

- Designed a responsive data dashboard using Next.js, React.js, TypeScript, Tailwind CSS, and Nivo, leading to a 20% improvement in data visualization.
- Created a settings page with interactive components (inputs, sliders, SVGs, switch buttons) using TypeScript, React, and Tailwind CSS, enhancing user customization options.
- Enhanced map features using Mapbox GL JS by adding a table of contents, layers, points, live location tracking, and point additions, increasing user engagement by 25%.

IT Technician

College Station, Texas

Center for Educational Technologies

October 2023 – February 2024

- Resolved 95% of user tickets related to Moodle courses on Salesforce by diagnosing issues quickly and providing effective solutions, showcasing strong problem-solving skills and a customer-centric approach.
- Developed and implemented Python programs with Selenium to automate tasks, leading to a 50% increase in performance for user course addition and a 30% improvement in activity completion rates.
- Conducted thorough ADA compliance testing on module activities, ensuring enhanced accessibility for all users and maintaining a 100% adherence to quality standards.

Projects

College Social Media DoorC

Bellevue, Washington

Social Media Application with forums of college-related topics

September 2023–Current

- Developed the backend using Python, Django REST API, and Firebase, ensuring robust data handling and secure authentication.
- Collaborated via GitHub for efficient project management, enhancing team coordination and version control.

Hackathon HowdyHack 2023: Jobs4Ags

College Station, Texas

Web application for streamlined job and internship searches.

September 2023

- Implemented fetch requests to process job API data in JSON format, ensuring real-time data updates and improved user experience.
- Developed a dynamic UI with React JS and collaborated via GitHub, enabling seamless team collaboration and efficient project completion.

Skills

Programming Languages: Java, Spring, JavaScript, SQL, Python, React JS, React Native, Flask, C++, HTML, CSS, R

Frameworks & Tools: Tailwind CSS, Next JS, AWS, Lambda, API Gateway, DynamoDB, Firebase, Mapbox, Selenium, Nivo

Office Tools: MS Suite (Word, Excel, PowerPoint, OneNote, Outlook)

Soft Skills: Teamwork, Organization, Communication, Analytical Thinking, Time Management, Leadership, Attention to Detail

Languages: English, Spanish