

# Ling-jet Chee

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## EDUCATION

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### Purdue University

*Bachelor of Science, Major in Computer Science, Minor in Mathematics*

West Lafayette, IN

*Graduated May 2024*

- Degree concentrations: Machine Intelligence, Software Engineering
- Awards: Dean's List and Semester Honors

## PROJECTS

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### DripDrop - Fullstack Developer | *React.js, GraphQL, AWS Amplify...*

*Spring 2024*

- **DripDrop** is a social media web application for daily outfit uploads, user ratings, and tournament-style outfit competitions, hosted and deployed using **AWS Amplify**.
- Appointed as Lead Frontend Developer after consistently delivering high-quality work and leading the design for the application's UI. Used **React.js** and **CSS** to create reusable React components.
- Contributed to backend development by efficiently integrating **GraphQL queries** and using **AWS Studio** tools such as S3 buckets to optimize the project data model.

### DevMatch - Frontend Developer | *Next.js, Tailwind CSS,*

*Spring 2023*

- Led the 3rd development sprint as **Scrum Master**, driving team collaboration, overseeing documentation, and coordinating task execution.
- Lead frontend development with **Next.js** and **Tailwind CSS**, delivering the majority of the application's UI.
- Leveraged **agile software development** practices to boost team productivity and streamline project management.

### CS473: ML Research Project | *Python*

*Fall 2023*

- Collaborated on a team to investigate the effectiveness of various clustering algorithms on diverse datasets.
- Employed TensorFlow to analyze Entity Relationship Diagrams (ERDs) and assess data similarity.
- Utilized Python and data analysis libraries to implement OCR and image detection modules for targeted datasets.
- Conducted a comparative analysis by implementing **agglomerative clustering** and **Kmeans++**, highlighting their respective performance metrics.

## EXPERIENCE

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### CS193 Teaching Assistant

*Fall 2023*

*Purdue CS | West Lafayette, IN*

- Member of the TA team that instructed 900 first-year students in "CS193: Tools", a foundational course.
- Guided students through projects and assignments, teaching critical skills including Git, LaTeX, IDEs, shell/terminal, and SSH.
- Provided mentorship and fostered a supportive learning environment within Purdue's Computer Science program.

### Research Assistant

*Summer 2019*

*Sun Innovations, Inc. | Fremont, CA*

- Worked closely with lead scientists to test different chemical compounds from a premade stock.
- Conducted testing for the most optimal combinations of chemicals for creating a digital display on glass mediums such as car windshields.

## TECHNICAL SKILLS

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**Languages:** Java, C, JavaScript, Python, CSS, SQL

**Frameworks & Technologies:** Git, React.js, Next.js, Tailwind CSS, Unix/Linux, GraphQL, AWS Amplify

## COMMUNITY AND LEADERSHIP

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### Executive Board Member

*Fall 2023*

*Purdue Asian Student Union Board | West Lafayette, IN*

- Served as Treasurer for Purdue Filipino Assoc. by managing the budget, allocating funds, drafting and submitting grants for cultural events.
- Utilized **outstanding communication skills** to maintain unity among board members and general members
- Organized successful fundraisers, raising **over \$1,000** to cover event costs, including costumes, lighting, and props.