TARCISIUS DANIEL HARTANTO

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Skills & Technical Knowledge

- **Programming Languages:** Java, C++, Python, HTML, CSS, JavaScript, SQL, Dart
- **Web Technologies:** ReactJS, ExpressJS, Python Flask, NodeJS, MySQL, NoSQL, Bootstrap, Material UI, Figma
- **Mobile Technologies:** Flutter, Java SDK
- **Cloud System:** Amazon AWS (EC2, RDS, CodePipeline, CodeDeploy, S3, Route 53, DynamoDB, Elastic Beanstalk)

Work Experience

Relaymile **Seattle, Washington, USA**
Software Engineer Intern *March 2021 – June 2021*
Technologies used: ReactJS, JavaScript, HTML, CSS, Python Flask, Figma, GitHub
- Engineered 5 web pages to have an appealing responsive styling for all desktop and mobile screen sizes.
- Created a collapsible messaging component on the front-end side of the project by using React.
- Implemented APIs that support the features available for the messaging component by using Python Flask.
- Integrated floating clickable messaging icon in the notification bar to make messaging features available and accessible across all the company's web pages by using React.

CODEX powered by Telkom Indonesia **Greater Jakarta Area, Indonesia**
Software Engineer Intern *July 2019 – September 2019*
Technologies used: ReactJS, GitHub, Cypress.io, Zepplin
- Designed web pages for human resources team internal tool to manage applicants that applied to specific jobs by using Zepplin.
- Created reusable components for buttons, search bar, header, footer, navigation-bar by using ReactJS and MaterialUI for its styling.
- Re-engineered search functionality and state management for showing top applicants' names accurately by using React and Redux.
- Integrated end-to-end testing for authentication process and applicants search functionality by using Cypress.io.

Projects

Northeastern University **Seattle, Washington**
Restaurant Online Ordering Application *January 2023 - April 2023*
Technologies used: MongoDB, Express, React.JS, Node.js, Google Cloud, Heroku, React Bootstrap, Material UI, GitHub
Link: https://restaurant-frontend-cs5610-gp.herokuapp.com/
- Led a team of 4 students to create a website that hosts online ordering system for a restaurant
- Implemented the online ordering system by integrating backend CRUD APIs engineered in ExpressJS
- Created a database for the application using MongoDB and hosted it in MongoDB Cloud
- Deployed APIs end calls and website using Heroku
- Generated OAuth Client ID credential in Google Cloud OAuth APIs for users logging activities

DB Online Retail Store *September 2022 - December 2022*
Technologies used: MySQL, Java JDBC, SpringBoot, IntelliJ, React.JS, AWS, GitHub
- Implemented ordering system component for buyers by using React Hooks
- Engineered CRUD API endpoints for retail features backend using JDBC and SpringBoot in IntelliJ
- Integrated the database in MySQL.
- Created EC2 instance and RDS to host the database in AWS server.

Northeastern Carpool Application *January 2023 - April 2023*
Technologies used: Dart, Flutter, JavaSDK, Firebase, Firestore, Figma, Github, Google API
Link: https://github.com/tarcisiusdaniel/carpool
- Designed an Android mobile application that provides people in Northeastern University with carpool services
- Engineered a search platform that searches for available carpool rides based on user search criterias (pick up, destination, miles radius) using Flutter and Firestore.
- Created the page to create and post a carpool ride using Flutter and Firestore.
- Implemented the page to show information of a certain carpool ride using Google Map API, Flutter, and Firestore.

Education

Northeastern University – Seattle, Washington *December 2023*
Master of Science in Computer Science *GPA: 3.83*
Major Coursework: Program Design Paradigms, Database Management Systems, Web Development, Foundations of Software Engineering, Foundations of Artificial Intelligence, Mobile Application Development, Data Structure and Algorithms, Fundamentals of Cloud Computing

University of Washington – Bothell, Washington *December 2020*
Bachelor of Science in Computer Science *GPA: 3.41*
Major Coursework: Data Structures and Algorithms I & II, Software Engineering, Analysis and Design, Database Systems, Computer Networking, Computer Simulation, Operating Systems, Cloud Computing, Usability and User-Centered Design, Web Programming and Applications, Introduction to Artificial Neural Networks, Introduction to Artificial Intelligence