

Keefe Oentoro

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Education

Georgia Institute of Technology – College of Computing
Candidate for Bachelor of Science in Computer Science

Atlanta, GA

August 2021 - May 2024

Relevant Courses: Data Structures & Algorithms, Design & Analysis of Algorithms, Object-Oriented Programming, Objects & Design, Systems and Networks, Database System, User Interface Design

Projects

React! Platform | *JavaScript, HTML, CSS, React, GitHub*

- Developed, tested, and deployed a modular workplan on the website to facilitate discussion using React, JS, and HTML/CSS
- Coordinated between 4 programming teams and a design team to deliver features and ensure proper documentation
- Utilized and managed an agile workflow using Slack and Teams, using sprints to track project progress

Simple Airline Management System (SAMS) | *SQL, MySQL*

- Translated a given problem scenario and sample data elements into an Enhanced Entity-Relationship Diagram
- Developed a relational schema and created tables ensuring appropriate keys, constraints, and data types using MySQL
- Implemented procedures and supporting views to query/modify the database and provide relevant information to operators

OS Process & Network Scheduler | *C, Pthreads*

- Implemented concurrent process scheduling algorithms and networking protocols
- Synchronized threads in parallel using the pthreads' API to simulate a multi-threaded OS on a single CPU
- Mitigated race conditions and deadlocks between server and client using synchronization techniques

Smart Home – Did I Feed My Pet? | *Arduino, C++, Inventor, Firebase*

- Architected software application for automated pet feeder using the MIT App Inventor and the Arduino IDE
- Bridged the gap between software and hardware through Wi-Fi channels using Google Firebase and Arduino APIs
- Designed automated pet feeder model in AutoCAD; later 3D printed, assembled, and programmed

Shingeki No Cowjin | *Java, Android, GitHub*

- Designed, implemented, and lead a team to build a mobile tower defense game using Java and tools in Android Studios
 - Employed GitHub for version control, utilizing commits, rebases, settling merge conflicts, branching, and tagging
 - Built and ran unit tests to ensure proper implementation and satisfy design requirements using Junit4
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Work Experience

Georgia Institute of Technology Center for Student Engagement
Student Assistant

Atlanta, GA

September 2021 - Present

- Updated and oversaw aspects of the Engage website verifying site accuracy related to the 600+ student organizations
 - Created a comprehensive guide outlining the responsibilities, tasks, and tips for the other 20+ student assistants
 - Responded to 200+ emails on behalf of the Center for Student Engagement resolving technical and managerial issues
 - Assisted hundreds of guests with their request or questions and provide administrative support to the professional staff
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Skills

Programming: Java, Python, C, SQL, JavaScript, HTML, CSS, React, NextJS, TailwindCSS

Developer Tools: Git, GitHub, Docker, Unix/Linux, Firebase

Design: Figma, Adobe Illustrator, Photoshop, After Effects, Premiere Pro, AutoCAD, Inventor

Languages: English – Native, Indonesian – Conversational, Chinese – Basic, Korean – Basic