Billy Kurniawan Halim

8875 Costa Verde Blvd #515, San Diego, CA 92122 || bkhalim@ucsd.edu || (206) 372-2539

LinkedIn || linkedin.com/in/billykurniawanhalim Website || billykurniawanh.github.io GitHub || github.com/billykurniawanh

EDUCATION

BACHELOR OF SCIENCE IN COMPUTER SCIENCE   December 2020
University of California San Diego | Jacobs School of Engineering   GPA: -
University of Minnesota Twin Cities | College of Science and Engineering   GPA: 3.82

ASSOCIATE OF SCIENCE   June 2018
Shoreline Community College   GPA: 3.98

SKILLS

ENTERPRISE LEVEL	**:** Go, YAML, Bash, Shell, Squarespace
WEB DEVELOPMENT	**:** HTML, CSS, JavaScript (Processing.js – p5.js – jQuery – React.js)
MOBILE APP DEVELOPMENT	**:** Java, XML, Android Studio
LANGUAGE & PLATFORM	**:** C, C++, Python, OCaml, SQL, MATLAB, Firebase Console, Arduino

WORK EXPERIENCE

SOFTWARE ENGINEER INTERN (BACKEND ENGINEER) | TopAds Tribe   May 2019 – September 2019
Tokopedia   Jakarta, Indonesia
- Programmed a product migrating tool to populate the staging environment with products from the production level
- Implemented a debugger feature in the Recommendation API to detect the core problem of wrongly displayed ads
- Refactored the handler for AB experiment to allow product manager to directly implement the desired test
- Dockerized all services in dashboard binary to allow integration with CircleCI

SOFTWARE ENGINEER INTERN (UI/UX DESIGNER) | Side Hustle & Rise Capital Tea   April 2019 – June 2019
Forkaia   (Remote) Irvine, California
- Fixed existing bugs and remodeled the website of Rise Capital with Squarespace
- Designed the wireframe and generated the website of Side Hustle via Squarespace

RESEARCH APPRENTICE | Robotic Sensor Network Laboratory   February 2019 – May 2019
University of Minnesota – Twin Cities   Minneapolis, Minnesota
- Annotated sets of images VGG Image Annotator to be the data source of the robot's AI system
- Exported JSON files to an existing machine learning software for the apple picker robot

COMPUTER SCIENCE TUTOR | Tutoring Center   March 2017 – March 2018
Shoreline Community College   Shoreline, Washington
- Assisted students in computer science courses through one on one interaction
- Provided mentorship in student's computer science class projects

PROJECT EXPERIENCE

PESTICIDE RECORDS MANAGER WEBSITE "PESTICIDE TRACKER" | MinneHack 2019   February 2019
- Filtered, converted and input the acquired data to Firebase Console
- Collaborated with team members in designing the chemical page with React.js

VOLUNTEER SEARCHING APPLICATION "WHERE TO?" | ACM UMN Software Design Competition   October 2018
- Implemented PayPal API to allow the user donate money to the organization
- Debugged a problem where the menu drawer does not overlap the menu page with Java

GOOGLE APPLIED SKILLS PROJECT | XML, Java   February 2019 – May 2019
- Implemented algorithms and data structures to create mobile applications

100 MINIGAMES PROJECT | Java, Python, C++, MATLAB, HTML, CSS, JavaScript   September 2018 – May 2019
- Created user interface for games that require player's interaction

RESEARCH EXPERIENCE

ELECTRIC INJERA COOKER RESEARCH | Prototyping and Testing Assistant   October 2018 – January 2019
Engineers Without Borders Research Division   Minneapolis, Minnesota
- Modified an existing circuit into an energy efficient one to increase efficiency by 6%
- Reduced approximately 10% of the production cost by calculating the minimal specs of the injera cooker