

Billy Kurniawan Halim

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Education

Bachelor of Science in Computer Science	December 2020
University of California, San Diego	GPA: 3.64
University of Minnesota, Twin Cities	GPA: 3.82
Associate of Science	June 2018
Shoreline Community College	GPA: 3.98

Work Experience

Web Developer at Run A Myelin My Shoes	February 2020 – Present
<ul style="list-style-type: none">Created a minimum viable website using Squarespace to allow founder to find more teammates and sponsorLead a team of three to start building the web system using React.js and Firebase	
Software Engineer Intern at Skinalytics	February 2020 – Present
<ul style="list-style-type: none">Resolved an authentication bug where user was unable to login without prior confirmationRefactored Java code for the new review post logic to avoid invalid choice of product brand	
Web Developer at Information Theory and Applications Center	December 2019 – January 2020
<ul style="list-style-type: none">Developed a system for the registration of ITA 2020 Workshop using React.js and DjangoUsed Django Shell to perform data modification on current user's optionAdded new feature to enable administrator mailing workshop participants from the web interfaceRemodeled the interface of workshop statistics to allow user searching and user's option filtering	
Software Engineer Intern at Tokopedia	May 2019 – September 2019
<ul style="list-style-type: none">Programmed a product migrating tool with Go to populate the staging site with production level's productsCreated a Slack Webhook for API request and response to detect the core problem of wrongly displayed adsRefactored the handler for A/B experiment to allow changes to be directly made by product managerContained all the backend service into a Docker container and initiated integration with CircleCI	
Software Engineer Intern at Forkaia	April 2019 – June 2019
<ul style="list-style-type: none">Prototyped the new remodeled website design for Rise CapitalDetected and fixed some glitches in the interface of Side Hustle	
Computer Science Tutor at Shoreline Community College's Tutoring Center	March 2017 – March 2018
<ul style="list-style-type: none">Assisted students in computer science courses through one on one interactionProvided mentorship in student's computer science class projects	
Math Tutor at Shoreline Community College's Math Learning Center	March 2017 – May 2017
<ul style="list-style-type: none">Strengthened student's understanding in calculus, differential equation and linear algebra classesFacilitated student group's multivariable calculus discussion once a week	

Research Experience

Web Developer at UCSD's Language and Cognition Lab	January 2020 – Present
<ul style="list-style-type: none">Created a web experiment with React.js and Firebase for the Natural Language Processing ExperimentImplemented a php script to export individual data into JSON file	
Research Apprentice at UMN's Robotic Sensor Network Laboratory	February 2019 – May 2020
<ul style="list-style-type: none">Annotated sets of images VGG Image Annotator to be the data source of the robot's AI systemExported JSON files to an existing machine learning software for the apple picker robot	

- Prototyping Officer at UMN's Engineers Without Borders** October 2018 – January 2019
- 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

Project Experience

- Inventory Stock Manager for “Eight Coffee”** February 2020 – Present
Related Features: React.js & Python (Django Framework)
- Pesticide Records Manager Website “Pesticide Tracker”** February 2019
Related Features: React.js, Firebase Console, Google Map API
- Volunteer Searching Application “Where To?”** October 2018
Related Features: Java, Firebase Console, Google Map API, Paypal API
- Google Applied Skills Project** February 2019 – May 2019
Related Features: Java
- Minigames Library Project** September 2018 – December 2018
Related Features: Processing.js & p5.js
- Matrix Algorithm Project** September 2018 – December 2018
Related Features: Matlab
- Toys For Kids Project** September 2017 – October 2017
Related Features: Solidworks

Leadership Experience

- Indonesian Student Community President** May 2017 – May 2018
Led a group of 36 officers for events thorough the year. Events include creating an Indonesian sport competition, conducting several food fundraisings, organizing welcoming party, and hosting graduation party. Also establishing new system for recruiting future officers.

Volunteer Experience

- Saman Dancer and Angklung Player** | Indo Night 2019, PERMIAS Minnesota
- Math Competition Grader** | Mathcounts Competition, Minnesota Society of Professional Engineers
- Competition Facilitator** | Minnesota Science Bowl, Minnesota Academy of Science
- Food Prepper and Distributor** | Hands of the Hungry, Catholic Student United
- Trainer and Facilitator** | Super Saturday, Inner City Tennis
- Food Truck Server** | Balai Jajanan and Keraton Indonesian Festival, PERMIAS Seattle & ISAUW