

Billy Halim

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Education

Bachelor of Science in Computer Science	December 2020
University of California, San Diego	GPA: 3.70
University of Minnesota, Twin Cities	GPA: 3.82
Associate of Science	June 2018
Shoreline Community College	GPA: 3.98

Work Experience

Software Engineer Intern at Piper	June 2020 – September 2020
<ul style="list-style-type: none">• Simulated an end-to-end applicant tracking system using React.js and Firebase• Created an automation on syncing applicant's, user's and interviewer's interview schedule• Utilized nodemailer to enable email sending from the system to multiple applicants• Created an interface to allow interviewer seeing applicant's complete profile with available time	
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 Django• Used Django Shell to perform data modification on current user's option• Added new feature to enable administrator mailing workshop participants from the web interface• Remodeled 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 products• Created a Slack Webhook for API request and response to detect the core problem of wrongly displayed ads• Refactored the handler for A/B experiment to allow changes to be directly made by product manager• Contained all the backend service into a Docker container and initiated integration with CircleCI	

Research Experience

Web Developer at UCSD's Language and Cognition Lab	January 2020 – Present
<ul style="list-style-type: none">• Architected, developed, and migrated several experiments into web application to improve accessibility• Scraped, preprocessed, and performed a sentiment analysis using Python for tweets in Twitter	
Research Apprentice at UMN's Robotic Sensor Network Laboratory	February 2019 – May 2019
<ul style="list-style-type: none">• Annotated sets of images with VGG Annotator to be the source data of the robot's AI system• Exported training data files to an existing machine learning software for the apple picker robot	
Prototyping Officer at UMN's Engineers Without Borders	October 2018 – January 2019
<ul style="list-style-type: none">• 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

Influencer Database Application "Dorsey"	August 2020
<i>Features: React Native, Python (Django), PostgreSQL, Docker, Digital Ocean</i>	
Sports Teammates Finding Website "Sports Teammates For U"	March 2020 – June 2020
<i>Features: React, Python (Django), PostgreSQL, Docker, AWS</i>	
Pesticide Records Manager Website "Pesticide Tracker"	February 2019
<i>Features: React, Firebase, Google Map API</i>	
Volunteer Searching Application "Where To?"	October 2018
<i>Features: XML, Java, Firebase, Google Map API, Paypal API</i>	
Google Applied Skills Project	February 2019 – May 2019
<i>Features: XML, Java</i>	