Albert Reynaldi Sudjana

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Education

University of California, Berkeley   **B.S. Electrical Engineering and Computer Sciences, May 2019**
Relevant Courseworks Data Structures, Object Oriented Programming, Algorithms, Database, Machine Architecture

Skills

Languages JavaScript, Java, Python, C++, C, SQL, HTML, CSS, Git
Frameworks Node.js, Sinon.js, React, Vue.js, Express.js, MongoDB, MaterialUI, UIKit, Bootstrap, Spark, Flask

Experience

Bizzy, *Full Stack Software Engineer Intern*   **May 2018 - August 2018**
- Integrated online B2B marketplace and e-procurement platform with various enterprise resource planning systems by devising cxml payload convertors in Node.js for product punchout operations
- Streamlined UOM storage for the punchout team by creating asynchronous localized and syncable database APIs using MongoDB
- Updated and unit tested user mapping APIs for the growth team using Sinon.JS
- Developed ecart frontend elements that syncs previous user input by using Redis, Vue.js and UIKit

Bank of Indonesia, *Research Intern*   **June 2016 - July 2016**
- Explored possibilities to make a new payment platform in Indonesia and its benefit for e-commerce websites
- Primarily focused on the implementation of payment platforms worldwide through methods including tokenization and point-to-point encryption

Graha Technology Nusantara Data Center, *Technician Intern*   **July 2016 - Sept 2016**
- Assessed the conditioning of tier 4 data centers by daily hardware inspection
- Acquired potential clients by collaborating with a team to promote specifications of the data center

Projects

PayPay Cal Hacks 5.0, Python   **October 2018**
- PayPay aims to solve the unnecessary use of voucher tickets in events by providing an in-app menu and payment platform while also providing an auto-generated QR verification of each order for both consumers and vendors
- Produced backend using flask, frontend using HTML, CSS and Javascript and used the Braintree API for payment processing through venmo and paypal and the Google API for sending automated emails of transactions

Predictive Yelp Ratings, Python   **October 2018**
- Engineered a Yelp review predictor based on frequency of words in a dataset using MapReduce in Spark
- Achieved 70.5% correctness by using 32000 reviews for training and 8000 reviews for testing

IndoInternships, Javascript   **September 2018**
- Started a React-powered internship portal to connect students with Indonesian companies
- Implemented with Node.js, React and MaterialUI with data gathered using Beautiful Soup

Bear Maps, Java   **April 2018**
- Spearheaded a functional route searching map of Berkeley by rastering images of different resolution.
- Incorporated A* search algorithm for route searching while location data is parsed from an XML file

Explorable World Engine, Java   **March 2018**
- Created a loadable and explorable 2d tile game that pseudo randomly generates a world based on a seed input.
- Established all load/save functionality using serialization constructed using various data structures and abstractions under an object oriented technique.