# Albert Reynaldi Sudjana

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## Education

University of California, Berkeley **Bachelor of Science, 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

**PayPay App,** *Co-Founder & Software Engineer* **November 2018 - Present**

- Created an app to solve the unnecessary use of voucher tickets in events by providing an in-app menu and payment platform with an auto-generated QR verification of each order for both consumers and vendors to use
- Coordinated with a team to formulate end-to-end process flow for the app
- Programmed both back-end and front-end of the app using Flask, HTML, CSS and Javascript

**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

**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.