

Elvin Aidan Bernales

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EDUCATION

Rutgers University - Newark

B.A., Computer Science (GPA: 3.4)

2017 – 2021

Newark, New Jersey

Relevant Coursework: Data Structure & Algorithm Design, Advanced Data Structures & Algorithm Design, Operating Systems, Database System Design & Management, Cloud Computing, Computer Networking

TECHNICAL SKILLS

Languages: JavaScript, HTML, CSS/SASS, PHP, Python

Tools and Technologies: React, Node.js, React Native, AWS, MySQL, Git, Github

PROJECTS

Rutgers Health [Github](#)

- Mobile application developed for Professor Daneault at the Rutgers Department of Kinesiology and Health to provide educational yoga videos for users with motor disabilities and gather research data through the application's built-in survey.
- Front end and back end were developed using React Native and Node.js. User authentication and analytics were implemented with tools and services provided by AWS Amplify (i.e. Cognito and Pinpoint).
- Videos were fetched through a Youtube API and user survey data are sent to a Google Sheet accomplished through NoCodeAPI.

Car Builds [LINK](#)

- A MERN stack website developed for car enthusiasts to share their car projects.
- Designed the front end using React and Material-UI so users can post using the form and also see other user's car projects.
- Programmed the back end with a REST API using Node.js, Express, and MongoDB to communicate with the front end through API requests.

Personal Website [LINK](#)

- Created a website with a minimalist design in mind.
- Developed using React and styled through SCSS. GSAP was used to create text and transition animations.

VOLUNTEER EXPERIENCE

Professor Daneault's Lab

Jan. 2021 – May 2021

Programmer

- Held a volunteer position as a programmer developing Rutgers Health (see above) in a team managed through an Agile development process approach.
- Handled full stack development such as the user interface and configuring the application's survey system and analytics.

RU-N Filipino Student Association

2017 – 2021

- Participated in fundraising events and collaborated with other school organizations in running several charitable events.