

Henry Cabral

SOFTWARE ENGINEER

SUMMARY


Biomedical Engineer with 4+ years of experience in Research/New Product/Process Development looking for exciting new challenges in the Technology Sector as a Software Engineer with 2+ years of experience in web development.


PERSONAL DETAILS


Location


Hillsborough, New Jersey


CONTACT


 hjcbr19@gmail.com

 +1 (908)-240-2962

 henrycabral.me

 [henrycabral](https://www.linkedin.com/in/henrycabral)

 [cabralhjr](https://twitter.com/cabralhjr)

 [cabralh](https://github.com/cabralh)

WORK EXPERIENCE

Automation/Mechanical Engineer

APRECIA PHARMACEUTICALS, LLC.

February 2019 - Present

- Leads 3DP R&D dosing and agitation equipment development by utilizing technical knowledge to create concepts before integration assembly.
- Develops and maintains PLC code for Product Development software primarily using ladder logic
- Currently saving R&D department over \$100,000 by designing/prototyping parts in-house
- Inventor, Filed 2 Patent Applications

Production Engineer

GETINGE GROUP

January 2018 - February 2019

- Led validation effort for several manufacturing processes within two product lines (HemoPro I and II)

Project Engineer

UPSTART PRODUCT DEVELOPMENT, LLC.

September 2016 - January 2018

- Developed marketable device suitable for relieving muscle fatigue for and in collaboration with orthopedic surgeons

EDUCATION

Master of Science, Biomedical Engineering

NEW JERSEY INSTITUTE OF TECHNOLOGY

September 2017 - December 2018

Bachelor of Science, Biomedical Engineering

NEW JERSEY INSTITUTE OF TECHNOLOGY

September 2013 - May 2017

SKILL SET

JavaScript

React

TypeScript

Node.js

Express

SQL

GraphQL

Netlify

Firebase

Heroku

Git

Gatsby.js

Next.js

Linux Bash Shell

Electronics

IoT

Python

PROJECTS

Facial Recognition Web Application

- Built using React.js (Front-end) with a RESTful API server using Express
- Deployed on Heroku
- Implemented session management with authenticated routes
- Stored user information and hashed passwords on PostgreSQL.

CloudSenseIO

- Weather Station that records temperature, humidity, and air quality values which are displayed on a dashboard for data visualization and logging
- Built using React (Front End), Socket.io, Express server (Backend), and MongoDB (Database)

Hype Ecommerce Store

- Ecommerce Web Application built using React, Redux, React Router, Firebase with payments (Stripe API)
- Stores user information, routes between clothing item pages, and remembers user session (cart)

CERTIFICATIONS

- ✓ Complete Web Developer - Zero To Mastery
- ✓ Complete React Developer - Zero To Mastery
- ✓ JavaScript: Advanced Concepts - Zero To Mastery
- ✓ Senior Web Development - Zero To Mastery
- ✓ Machine Learning & Data Science - Zero To Mastery
- ✓ Complete Python Developer - Zero To Mastery
- ✓ Node.js Developer (In-Progress) - Zero To Mastery
- ✓ TypeScript Developer (In-Progress) - Zero To Mastery