

VANESSA PREMA

• software engineer •

CONTACT

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EDUCATION

GEORGIA INSTITUTE OF
TECHNOLOGY

B.S., Materials Science &
Engineering | December 2017

FLATIRON SCHOOL
Web Development | March 2019

PROGRAMMING SKILLS

Javascript
Typescript
React
React Native
Redux
PHP
Laravel
Ruby
Rails
PostgreSQL
MATLAB

ENGINEERING SKILLS

Lean Six Sigma - Yellow Belt
SolidWorks
Keyshot
Minitab
PhotoView 360
Inventor
Fusion 360

WORK EXPERIENCE

Calloquy, PBC Atlanta, GA
Senior Full Stack Engineer Present

Key Technologies: React, PHP, Laravel, Typescript, NodeJS, Express.js

- Providing platform for virtual litigation with real-time communication, transcription, and evidence management
- Designing React and Laravel web application integrating modern market tools and libraries for optimal client experience

NCR Corporation Atlanta, GA
Software Developer III - Aloha Next Generation 2019 - 2022

Key Technologies: Android, React Native, Java, Redux, Typescript, NodeJS

- Lead team to create a React Native point-of-sale application with a focus on new feature development
- Developed the Java bridge architecture for the primary payment solution connecting UI to native OS
- Built clean and reusable style-able component libraries to improve developer efficiency
- Participated in RESTful API design and UI loading data integration
- Utilized unit and functional testing tools such as Cucumber and Jest
- Supported product team by providing technical knowledge to assist in setting high level estimations

Graphic Packaging International Atlanta, GA
Project Engineer I 2018

Key Technologies: Visual Basic, SolidWorks, Microsoft Office Suite

- Presented technical application and sample code of a streamlined process to shorten machine and part release by 40% using VBA programming
- Utilized engineering standards to design custom parts using SolidWorks modeling to enhance machine system
- Acted as a trusted advisor to customers for on-site projects during machine upgrade installs for new products and system integrations

Elektrocouture Berlin, Germany
Engineering Intern 2017

Key Technologies: SolidWorks, Python, Raspberry Pi

- Implemented project timeline from concepts to final production for 5 wearable technology pieces
- Consulted designers on material selection, microcontroller programming, 3D printing, and circuitry
- Partnered with safety footwear company to prototype different LED integration methods for work boots
- Managed logistics for Berlin Fashion Week events by collaborating with local vendors, clients, and designers

TECHNICAL PROJECTS

Flex Detect - Capstone Engineering Project  Poster

- Tasked to create a moisture sensor using flexible electronics, silver nanoparticle inks, and performance polymers
- Team developed and tested a fully functioning prototype using Arduino, circuit soldering, and 3D printing

Cinepop  Demo

- Generated responsive view using React keystroke listeners in search bar & infinite scroll on landing page
- Applied React-Router library to dynamically display multiple pages
- Employed multiple API's to provide information about movies, streaming platforms, and cast members