KEVIN TRINH

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EDUCATION

University of Pennsylvania
LPS Full Stack Flex Coding Bootcamp   Jun 2019

University of Pennsylvania
Degree: Master of Science in Engineering in Bioengineering   May 2018
GPA: 3.48

Lehigh University
Degree: Bachelor of Science in Bioengineering, Biomechanics and Biomaterials concentration   May 2016
Minor: Computer Science and Engineering
GPA: 3.42

WORK EXPERIENCE

respisodic, inc.
Junior Software Engineer   Feb 2019 - Jun 2019
- Organized hospital data into a tiered system with relationships between hospitals systems, hospitals, and providers.
- Created a freemium healthcare provider preview on an application dashboard.
- Developed an analytics dashboard for tracking of application usage.
- Refined a dashboard that allows administrators and healthcare providers to search and edit facility information.
- Generated code for the creation of Centers for Medicare & Medicaid Services forms and custom PDFs.

Contractor   Dec 2018 - Jan 2019
- Implemented Redox API functionality for patient electronic health record (EHR) retrieval.
- Devised a solution for PDF storage in local databases, AWS, and Redox API.

PROJECT EXPERIENCE

University of Pennsylvania Biomechatronics   Aug 2017 – Dec 2017
- Programmed micro-controller code for autonomous gripping and overall mechanism movement.
- Sketched and implemented circuit diagrams of control schematic.

University of Pennsylvania Software Engineering   Aug 2017 – Dec 2017
- Implemented a color correction feature to enhance both new and preexisting photos in a museum's artifact database.
- Refactored an Android application used for artifact database information entry, storage, and update.

Capstone Design Project   Jan 2015 – Dec 2015
- Developed and tested prototypes of a simplified, integrated IV pump in close association with B. Braun Medical Inc.

RESEARCH EXPERIENCE

University of Pennsylvania Independent Study   Jan 2017 – May 2017
- Engineered a solution to automate IV pump fluid occlusion removal using Arduino micro-controllers.
- Diagrammed and designed pump circuit diagrams, software, and physical attributes.

TECHNICAL SKILLS

Programming: Java, JavaScript, HTML, CSS, MySQL, MongoDB, Express.js, React, Node.js, Arduino

Software: Eclipse, Visual Studio Code, Apple iWork, Microsoft Office