KEVIN TRINH

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EDUCATION

University of Pennsylvania

Full Stack Flex Coding Bootcamp   expected July 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 - present

- Built a dashboard that allows administrators and providers to search and edit post-acute care center facility information.
- Created a map/translation table in a MySQL database using CrudRepository.
- Generated code for PDF creation of an Important Message from Medicare form.

Contractor   Dec 2018 - Jan 2019

- Implemented Redox API functionality for patient electronic health record (EHR) retrieval.
- Developed a solution for PDF storage in local databases, AWS, and Redox API.

PROJECT EXPERIENCE

University of Pennsylvania Biomechatronics   Aug 2017 – Dec 2017

- Designed a mechatronic device with an autonomous gripping mechanism using SolidWorks.
- 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, Arduino, MATLAB, Python

Software: Apple iWork, Microsoft Office, SolidWorks