

# Kevin Bui

Santa Ana, CA | khvbui@gmail.com | khvbui.github.io | linkedin.com/in/kevinhvbui

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Self-motivated biomedical engineer seeking full-time developer role after obtaining an A.S. in computer science. Two-years of experience in medical device product development. Committed to completing an M.S. in Computer Science to use artificial intelligence/machine learning techniques for business solutions.

## Relevant Experience

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**Xinetix, Inc. | Software Engineer Consultant** August 2021 - December 2021

- Designed Arduino software for a potentiometer and screen to test and characterize phaco tip cap sleeves

**CoAction Consulting, LLC | Software Engineer Consultant** June 2021 - July 2021

- Worked with a remote team to integrate a temperature sensor with a Bluetooth embedded system to report measurements to a mobile app for validation using C++ and the Nordic Semiconductor nRF5 SDK

**Equinox Ophthalmic, Inc. | Manufacturing Test Engineer Consultant** June 2018 - September 2019

- Planned and executed a 9-month long manufacturing build plan for ongoing clinical trials of an ophthalmic device going through the FDA's De Novo process
- Generated engineering documentation under an ISO 13485 Quality Management System
- Automated the characterization and validation of a pressure valve using Arduino and Python

**Biomedical Engineering Capstone Project | Project Team Lead** September 2017 - June 2018

- Led and managed a team of 4 students in designing, manufacturing, and testing a prototype low-cost ultrasonic device for breast cancer detection
- Delivered business pitches each quarter to industry professionals through UCI's BioENGINE program and presented research posters at the Undergraduate Research Opportunities Program Symposium

**Buivision, Inc. | R&D Engineer Intern** July 2016 - September 2017

- Created Specification Control Documents for product components
- Displayed mockup of a product's user interface using C++ and an FTDI development module

## Education

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**Orange Coast College**

Associate in Science, Computer Science

September 2021 - June 2022

**The University of California, Irvine**

Bachelor of Science, Biomedical Engineering: Premedical

September 2014 - December 2019

## Skills

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**Technical Skills:** Python, C++, SQL, Java, Arduino, R, MATLAB, NI LabVIEW, Git

**Other:** Microsoft Office (Word, Excel, PowerPoint), Google Workspace

## Activities

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**Morning Sign Out | Editor-in-Chief - Pharmaceutical and Medicine Editorial Team** October 2018 - Current

- Reviewed and published articles from a team of 6 writers on the latest medical research each month for a website focused on health literacy for a lay audience

**Holy Spirit Catholic Church | Young Adult Coordinator | Teacher** September 2014 - Current

- Managed and directed a weekend-long retreat for 200 participants
- Created and taught a year-long curriculum to teach religion and philosophy to 30 high school students

**Tau Beta Pi Association - CA Tau Chapter | Industrial Relations Chair** February 2017 - February 2018

- Organized company tours and industry speaking events for member's professional development