


# Hiral Patel

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## Objective

To obtain an entry-level software engineering position.

## Experience

### Zoll Medical

*Software Engineering Co-Op*

Pittsburgh, PA  
June 2012-Dec 2013

- **DSP Assembly to C Port Verification**

Verified that a DSP assembly code library was correctly ported to C by reviewing code and comparing the resulting data.

- **Integration and Testing**

Integrated the newly ported library and other modularized code into recently refactored code base and tested and applied various bugfixes.

- **Testing Database Web Interface (PHP, MySQL)**

Added enhancements to a basic test data web interface such as searching by multiple attributes, data deletion, pagination, and CSV report generation.

- **Erroneous Data Checker (Python)**

Created software to check for and correct corrupted data files that were used internally.

- **Mass SD Card Data Downloader (Python)**

Created software to copy contents of SD cards from a repurposed SD card cloner onto a samba mount, update a database with relevant data, and to log when data downloads occurred. A graphical user interface was created to show the current status and success of data transfers.

## Education

### University of Pittsburgh

*Computer Engineering*

August 2010-December 2014  
Current GPA: 3.677

## Skills

### Professionally Used

- Python
- PHP
- C
- SQLite
- MySQL
- Git

### Other

- Linux
- Java
- C#
- Bash
- HTML
- CSS
- Javascript