# Dhruvkumar Patel

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**Summary** 3 years of professional experience and Computer Science Master with strong algorithmic, excellent programming and development skills. Exceptional experience working on Full Stack, Android Mobile & wear Applications, Big Data and web technologies during work, intern and research experience.

**Education**

**Master of Science - Computer Science** Jan 2015 - Dec 2016
Wright State University (WSU), Dayton, Ohio, USA
GPA: 3.57/4.0

**Bachelor of Engineering - Computer Engineering**, Aug 2010 - Jul 2014
Gujarat Technological University, Ahmedabad, Gujarat, India
GPA: 3.57/4.0

**Technical Skills**

**Programming languages:** Java, Ruby, C++, C, Objective-C, C#
**Web Technologies:** HTML, CSS, JavaScript, json, xml, jQuery, JSF, JSTL, React
**Framework:** Hibernate, Spring, RCP, SWT
**Big Data:** Hadoop, AWS
**Databases:** SQL, MySQL, Oracle Database, SQLite
**Misc. Technologies & Tools**: Android mobile & wearable APIS, Android Studio, Eclipse, Unity 3D, DICOM medical imaging standard, Cedara image processing Toolkit.

**Experience**

**Associate Senior Software Engineer** Aug 2018 - present
Cerner Corporation, Kansas City, MO

- Analyze, Design, implementation and testing of medical image rendering, visualization and manipulation software for diagnosticians, clinicians and health professionals.
- Owned and assisted others in debugging and documenting root cause analysis and resolution.
- Provided client-side support and software release process.
- Quickly making enhancement to existing software with high level design and implementation.
- Participated in code and design reviews to identify moderate issues or deviation from best practices.
- Contributing to the larger Cerner community by participating in Hackathon, Ambassador for experience Cerner day to bring new ideas and elaborate Cerner culture & development process.
- Mentoring newly hired software engineers on react, JavaScript, java based technical projects.
- Organizing team meeting for process improvements and learning new things at team level.
- Languages used in Project **Java, C++**

**Software Engineer** Feb 2017 – July 2018
Cerner Corporation, Kansas City, MO

- Developed an Eclipse plugin that generates basic java objects during the training program.
- Analyzed, designed, and implemented medical images rendering, visualization and manipulation software (Cerner SkyVue) for clinicians, diagnosticians, and technologists.
- Implemented and tested code through Junit and Mockito frameworks.
- Made an enhancement to existing software with minimal direction.
- Inspired engineering team to participated in Shipit (hackathon) at organization level.
- Presented different technical topics in team meeting for knowledge transfer purpose.
- Languages used in Project **Java, C++**

**Researcher** Sept 2015 – Dec 2016

Wright State University, Dayton, Ohio, USA

- Worked on my Thesis project under Dr. Yong Pei (Assistant Professor at Wright State University) on Motion Tracking and Visualization using Sony Smartwatch3.
- Designed cloud-based prototype to demonstrate real-time sensor data collection from Android wear and Android mobile devices.
- Explored different data processing methods to obtain improved quality motion results from extremely noisy raw data by using Kalman filter and lowpass-Highpass Filters.
- Developed low-complexity algorithms to support real-time data analysis and visualization.
- Experienced **Android Wear & Mobile Technologies APIS, Java, C#, Filtering Techniques, Unity 3D**

## Leadership &Honor

- Hackathon (Imaging) and placed 1st Rank in developer impect, Cerner Corporation March 2019
- Hackathon (Shipit) and placed 2nd Rank, Cerner Corporation Apr 2017
- Hackathon (MakeItWright) and placed 3rd Rank, Wright state University Apr 2015

## Publication

Patel, D. (2016). Miniatured Inertial Motion and Position Tracking and Visualization Systems Using Android Wear Platform. (Electronic Thesis or Dissertation). Retrieved from https://etd.ohiolink.edu/