Dhruv Patel

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Summary	Computer Science Master with strong Algorithmic, excellent programming and development skills. Exceptional experience working on Software, Android Mobile & wear Applications, Big Data and web technologies during course work, intern and research experience. Outstanding Technical skills able to quickly learn new concepts.

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, J2EE, Objective-C, Python, C, C++
Misc. Technologies: Java Hibernate, spring, struts, Junit, Android mobile & wear Technologies
Databases: SQL, MySQL, Oracle Database, SQLite
Big Data Technologies: Apache Hadoop Map/Reduce, AWS, Spark
Web Technologies: HTML, CSS, JavaScript, json, xml, jQuery, JSF, JSTL
Tools and Software: Eclipse, Android Studio, Git, Apache Tomcat, SQL Developer, FileZilla
Operating Systems: Mac, Linux (Ubuntu), Windows

Experience

Software Engineer   Feb 2017 – Current
Cerner Corporation, Kansas City, MO

- Implementing Inner Builder Generator Eclipse plugin that generates basic java objects.
- Languages used in Project **Java**

Researcher   Sept 2015 – Dec 2016
Wright State University, Dayton, Ohio, USA

- Worked on Thesis project under Dr. Yong Pei (Assistant Professor at Wright State University) on Motion Tracking and Visualization using Sony Smartwatch3
- Experienced **Android Wear & Mobile Technologies APIS, Java, C#, Filtering Techniques**

Teaching Assistant   Jan 2016 – Aug 2016
Wright State University, Dayton, Ohio, USA

- Taught 50 graduate students 20 hours per week about Distributed Computing concepts which includes **Apache Hadoop Map/Reduce, Java Networking** and **Java RMI**
- Graded and took project sessions based on **Big Data Technologies**

Software Developer   May 2015 – Aug 2015
The Institute of Defense Studies and Education, Wright State University, USA

- Worked 20 hours a week on Web Hosting, Web Technologies and iOS application Development.
- Designed and maintained websites in **HTML, CSS, jQuery, JavaScript, xml, php, FileZilla**

Software Developer Intern   Jul 2014 – Nov 2014
Tristate Technology, Ahmedabad, Gujarat, India

- Learned **objective-c concepts** and iOS Application Development
- Collaborated with a training team to develop iPhone mobile application development

Software Developer Intern   Jul 2013 – Mar 2014
Implicit Solutions, Ahmedabad, Gujarat, India
- Designed Java Web Portal named "Support My School Web Portal" to reduce donation system in schools, was a part of final year undergraduate
- Accomplished **J2SE, JSP, Servlet, JDBC, SPRING, STRUTS, HIBERNATE frameworks, JSF, JSTL and Web Technologies**

Projects **3D Visualization and Motion Tracking using Android Wear (Thesis Project)** Sept 2015 – Dec 2016
- 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.
- Utilized **Android wear syncing and sending Data APIS, SQLite Database, Unity 3D tool, Java**

Fund Raising Dynamic Web Portal   May 2015 – Jul 2015
- Evolved Java Enterprise Web Application to raising fund for organizations
- Practiced **Java Hibernate Framework, JSP, SERVLET, JSTL, Oracle Database, XML, Dreamweaver**

Big Data Hadoop Map/Reduce Projects   Jan 2016 – Apr 2016
- Installed Single node/ Multi node Hadoop 2.6.3 to solve following problems using Hadoop Map/Reduce
- Simple Moving Average for Companies Stock Exchange Data, Matrix Multiplication, Find Mutual Friends for social media data, K-mers counting using long DNA sequence in FASTA format
- **Big Data Hadoop Map/Reduce Algorithm, Java**

Windows Application for Stable Marriage Algorithm using Java Swing GUI   Nov 2015
- Integrated Windows application to calculate Stable Marriage pairs for any number of man-woman pairs. Calculate Time Complexity of this Algorithm
- **Experienced Java Collection, Swing and Algorithm concepts**

ITextBased-PDFViewer   May 2016 – Jul 2016
- Developed Pdf Viewer using **iText7 pdf libraries, javafx and pdf renders technologies**
- Follow Software Engineer Development Steps Requirement, Specification, Design, Implementation and Testing steps properly
- Upload existing pdf file, Search text, Insert and Delete different types of annotations, save features

Support My School Web Portal   Mar 2014
- Developed Java Enterprise Web Application to reduce Donation System in Schools. **Experienced J2SE, JSP, Servlet, Jdbc, MVC Framework, Web Technologies**

Courses   • Distributed Computing   • Cloud Computing   • Algorithm Design & Analysis • Adv. Database System • Adv. Software Eng.   • Thesis Independent Work • Object Oriented Programming • DFS

Leadership & Honor
- ACM Programming Contest, Wright State University   Oct 2015
- Hackathon (MakeItWright) and placed 3rd Rank, Wright state University   Apr 2015
- Worked as a Phonathon Caller at Wright state Annual Giving Department   Sept 2015-Nov 2015
- Graduate Student Scholarship, Wright State University   Jan 2015
- Entrepreneurship Activity Weekend Workshop to develop business skills   Aug 2013

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/