

TILAK PATEL

GEORGIA INSTITUTE OF TECHNOLOGY

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta, GA

August 2013 – December 2016

- Candidate for Bachelor of Science in Computer Science
- GPA: 3.61
- Related Coursework: Data Structures and Algorithms, Database Systems, Objects and Design, Computer Organization and Programming, Information Visualization, Computer Systems and Networks, Machine Learning, Computer Simulation

SKILLS

Programming: Java, HTML, CSS, JS (D3), Python, SQL & NoSQL (Basic), C (Basic)

Standards & Frameworks: Android SDK, JUnit, XML, JSON, JQuery, ExtJS, Jasmine, Spring (Basic), Servlets (Basic), Maven

Version Control: Git, Subversion

Software: Adobe Creative Suite (Photoshop CS6, Illustrator CS6), Android Studio, IntelliJ, Eclipse, SPSS

Foreign Languages: Fluent in Hindi and Gujarati, Basic Spanish and French

PROFESSIONAL EXPERIENCE

IBM, Raleigh, NC

May 2015 – August 2015

WebSphere Portal System Performance, Software Developer Intern

(Working Part-time)

- Developed a Java servlet to analyze statistical quality assurance data such as TPS (transactions per second) and response time between runs/builds using SPSS, a statistical analysis package
- Automated the statistical analysis by invoking the SPSS Java interface from within the Java program
- Parsed the output provided by the statistical analysis and displayed it on a single page web application
- Reduced time needed to produce the statistical analysis by 95%

GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta, GA

August 2014 – October 2014

ADAM Lab (Drawing Apprentice), Front-end Research Assistant

- Designed a method to take an array of points (from server side) and draw them dynamically (in time) on a HTML canvas
- Developed an interface for controlling the Drawing Apprentice sketching system manually
- Fixed minor bugs (improve UI) for a HTML canvas

HEWLETT-PACKARD (HP), Alpharetta, GA

May 2014 – August 2014

Enterprise Architecture and Frameworks, Technical Development Intern

- Added a new, improved splash-screen for two web consoles using HTML, CSS, and ExtJS
- Conducted integration testing and unit testing via JavaScript plugins such as Jasmine and Siesta of the two web consoles
- Enhanced the UI for the two web consoles by switching from the classic ExtJS UI to a new Flat UI
- Refactored through more than 10 controllers in order to improve maintainability

LEADERSHIP

BAPS ATLANTA TEMPLE, Lilburn, GA

August 2009 – Present

Creative Director, Graphics Designer Leader

- Successfully led the inaugural National Convention 2013 for 10,000 attendees with a \$10,000 budget by executing and designing 60 exhibition panels, which will now become a permanent exhibition for the temple
- Designed a plethora of posters, brochures, wallpapers for the temple's different occasions

TECHNICAL EXPERIENCE

GOOGLE

May 2015 – August 2015

CodeU Mentorship Program, Participant

- Worked on a series of technical exercises focusing on data structures and algorithms under the guidance of a Google engineer mentor
- Completed Udacity's Developing Android Apps course, and worked with one other participant to create an Android app in two weeks

PERSONAL PROJECTS

- **TL;DR (Android App):** Summarize articles in order to make it easier for users to take a preview of the text without reading it. Functionalities include save, share, and display article summaries automatically based on alarms.
- **Vachanamrut Study App (Android App):** Read the Vachanamrut (scripture of Swaminarayan Organization) in Gujarati as well as the English translation. Functionalities include search, notes, language toggle, auto-scroll, and night mode.
- **Attendance.io (WebApp):** Edit Google Spreadsheet via a HTML page that uses Google Apps Script (JS) in order to mark people as present for weekly assemblies held at temple.

ACTIVITIES AND INTERESTS

- Programming Team, GT WebDev, GIT MAD (Make Mobile Apps), Intramural Sports (Basketball, Dodgeball), 3D Printing