

Himanshu Sahay

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EDUCATION

WORCESTER POLYTECHNIC INSTITUTE (WPI)

Expected: May 2017

B.S. in Computer Science

Minor in Business

GPA: 3.83/4.0

SKILLS

Languages: C • C++ • Java • Python • JavaScript • SQL • HTML • CSS3

Skills: JUnit Testing • Dojo • jQuery • Bootstrap • Oracle* • Agile/iterative development • Scrum*

Applications: IDEs (Eclipse, IntelliJ IDEA) • Debuggers (gdb, Eclipse, ddd) • Perforce (revision control) • Microsoft Office

Foreign Languages: Hindi (Native proficiency) • Arabic (Limited working proficiency)

COURSEWORK

WPI: Software Engineering* • Systems Programming Concepts • Algorithms* • Database Systems* • Discrete Mathematics* • Object-Oriented Design Concepts • Machine Organization and Assembly Language* • Risk Analysis in Decision Making • Financial Statements in Decision Making*

*Coursework to be completed by May 2015

AWARDS

Charles O. Thompson Scholar | WPI, March 2014

Dean's List | WPI, August 2013 – Present

Presidential Scholarship | WPI, March 2013

EXPERIENCE

INTERSYSTEMS | PRODUCT SUPPORT INTERN

May 2014 – August 2014 | Cambridge, MA

- Built an internal **responsive web application**, Ad Hoc in **Zen Mojo** (~22K lines, Single Page Architecture (SPA), JSON, HTML, CSS, JavaScript, Dojo Toolkit) in an **agile** and **iterative** 3 member development team. Used the **NoSQL database** (InterSystems Caché) as the back end.
- The Ad Hoc Application streamlines the processing of bug fix requests and critical releases in enterprise software supplied by InterSystems. Ad Hoc is currently **used in 25 countries**, internally.
- Optimized **SQL queries by up to 40%** and researched different use cases for an optimum user experience (UX).
- Served as the first and only Zen Mojo desktop tester group. Found bugs in the language and worked with the Zen Mojo development team to fix them.

PROJECTS

IMDB SORTER | February 2015

- Reads in movie titles from file and sorts them by IMDB ratings by querying the **OMDb API**. The results are printed to a **Bootstrap** enhanced **HTML** page. Implemented in **Python**.

PERSONAL WEBSITE | 2014

- Created a **mobile-first** personal web portfolio using **HTML, CSS, JavaScript + jQuery, Bootstrap**.

PROJECT PUSH | February 2014 – August 2014

- Co-founded a **project based professional networking service** aimed at college students and young professionals, to disrupt the professional networking world.
- Made a **prototype application, created a business plan, and registered a company** but the project stalled due to lack of resources. Will be picked up sometime in the future.

CACHELAB | 2014

- Wrote a **cache simulator** in **C** and optimized a **matrix transpose kernel** to minimize the number of misses in the cache.

HOTEL MANAGEMENT SYSTEM | 2013

- Created a hotel management system in **C++** with a **SQLite** backend that provided a single account for **cashless** guest payments during hotel stay. Final bill at checkout reflected all purchases and provided incentivized discounts.

ACTIVITIES

WPI ENTREPRENEURSHIP CLUB | PRESIDENT

- Restarted the Club as a platform to grow the entrepreneurial environment at WPI.
- Working closely with Trustees on **big changes in entrepreneurship at WPI!**

WPI INVESTING ASSOCIATION | TREASURER

- Founding member. Administrate the simulated club portfolio account on TradeStation and manage my own simulated portfolio on the side with a current **net gain of 15.21%**.

PHI KAPPA THETA FRATERNITY | BROTHER

- Member of the Ritual & Recruitment Committee.

STUDENT GOVERNMENT ASSOCIATION | HONORARY SENATOR

- Serve on the Appropriations Committee & the Undergraduate Financial Board.