Bharath Jaladi

bharathjaladi.com | linkedin.com/in/bharathjaladi | github.com/bharathjaladi
bjaladi@seas.upenn.edu | bharathjaladi98@gmail.com | 609-851-4587
Permanent Address: 3 Larkspur Drive, Plainsboro, NJ 08536
University Address: 3901 Locust Walk MB 600, Philadelphia, PA 19104

Academics:

University of Pennsylvania, Philadelphia, PA   **Aug. 2016 to Present**

- o   **Jerome Fisher Program in Management and Technology** (M&T) | Expected Graduation Date: **May 2020**
- o   GPA: **3.98** | **University Dean's List** for 2016-17 | **Wharton School Dean's List** for 2016-17
- o   **Bachelor of Science in Engineering** (Computer Science) from **Penn Engineering**
- o   **Bachelor of Science in Economics** (Concentrations in Finance and Statistics) from the **Wharton School**

   M&T Student Board: Member of Professional Development Committee, Webmaster
   M&T Innovation Fund: Member of Value Creation Team
   Relevant Coursework: Programming Languages & Techniques I; Mathematical Foundations of Computer Science; Data Structures & Algorithms; Introduction to Computer Systems; Automata, Computability, & Complexity; Introduction to Algorithms; Software Design/Engineering; Algorithmic Game Theory; JavaScript; Leadership & Communication in Groups; Introduction to Management; Probability; Corporate Finance; Managerial Economics; Monetary Economics and the Global Economy; Management of Technology

Program in Algorithmic and Computational Thinking 2017, Princeton University, Princeton, NJ   **June 2017 to July 2017**

   This past summer, I studied graduate-level randomized and approximation algorithms and learned about different models of computation from leading faculty and PhD candidates with 17 computer science students from across the world. I gave a lecture on the probabilistic method focused on sum-free sets and prepared two exams for 80 high school students who were studying the equivalent of CIS 160 (cis160.com). I also personally mentored five of these students.

West Windsor-Plainsboro High School South, West Windsor, NJ   **Sep. 2012 to June 2016**

- o   Weighted GPA: **4.75**   SAT: **2400**   SAT II Mathematics Level 2: **800**   SAT II Chemistry: **800**   SAT II Physics: **800**
- o   **National** and **Math Honors Societies**, **National Merit Scholarship Winner**, **Presidential Scholar Candidate**, **National AP Scholar**

Skills:
Java (Proficient), LaTeX (Proficient), C (Intermediate), OCaml (Intermediate), HTML/CSS (Intermediate), JavaScript (Intermediate), Bootstrap 4 (Intermediate), React (Learning), MongoDB (Learning), JQuery (Learning), Android (Learning)

Work Experience:

Teaching Assistant, CIS 160, Philadelphia, PA (Paid)   **Jan. 2017 to Present (14-20 hours/week)**

   CIS 160 is Mathematical Foundations of Computer Science (cis160.com). During the school year, my duties as TA include holding office hours, teaching recitation, leading homework review sessions, grading, writing solutions for homework assignments, determining rubrics for grading, exam proctoring, and answering student questions online.

REAN Cloud, Herndon, VA (Unpaid)   **Aug. 2015 to Mar. 2016 (10 hours/week)**

   I worked as an intern using Microsoft Excel and the Elastic platform to determine the profitability of individual projects.

Capital Area Chess, Sterling, VA (Paid)   **June 2013 to May 2015 (3 hours/week)**

   I worked as an intern assisting with design & development and marketing for MyChessGuru.com.

Project Experience:

Designed and built Penn Course Swap: www.penncourseswap.com (please include the "www.")

- o   Built a tool using JavaScript, Express, React, MongoDB, and more for University of Pennsylvania students to trade courses
- o   Users can login securely with their Penn email address, request to swap up to three courses they are enrolled in for other courses they want, and check back later to see if they have a match – a student who is looking to make the opposite swap as them

Designed and built a personal website: bharathjaladi.com

- o   Built a personal website as a project to familiarize myself with HTML5, CSS3, Bootstrap 4, JavaScript, and JQuery

Designed and implemented Word Find in Java

- o   Created an applet that generates a randomized grid of letters, prompting the user to click, drag, and release to create words from adjacent letters in the allotted time
- o   Imported a dictionary of over 350,000 words for efficient real-time verification of user inputs and keeping score

Designed and implemented Sudoku in Java

- o   Created an applet that loads blank puzzles from a text file and saves user progress to another text file
- o   Implemented a hint algorithm that provides users with all possible squares in which a chosen number could potentially appear in the completed grid given the current state of the board

Designed and prototyped Solar Blinds – remote-controlled blinds that harness solar energy

- o   Director's Choice Award at the 2015 Management & Technology Summer Institute at Penn
- o   Made sure that the motors we incorporated could raise/lower the demo blinds, change the angle of the slats, and increase/decrease the distance between slats via control from an Android phone and Arduino