Bharath Jaladi

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Academics:

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

- **Master of Science in Engineering** (**Computer Science**) | GPA: **4.00** | Expected Graduation Date: **Dec. 2020**
- **Jerome Fisher Program in Management and Technology** (M&T) | Graduation Date: **May 2020**
  - GPA: **3.98** | **Summa Cum Laude** | **University Dean's List** for 2016-20 | **Wharton School Dean's List** for 2016-20
  - **Bachelor of Science in Engineering** (**Computer Science**) from **Penn Engineering**
  - **Bachelor of Science in Economics** (**Concentration in Statistics**) from the **Wharton School**
  - **Management & Technology Scholarship Award** for 2020 | **E. Stuart Eichert, Jr. Memorial Prize** for 2019
  - **Minors** in **Mathematics** and **Data Science**
- **M&T Innovation Fund**: Co-Head, Past: Value Creation Team (2016-20) | **M&T Student Board**: Professional Committee (2016-18)
- **Relevant Coursework:** Data Structures & Algorithms; Computer Systems; Algorithms; Software Design; Algorithmic Game Theory; Randomized Algorithms; Operating Systems; Probability; Statistical Inference; Corporate Finance; Monetary Economics; Management of Technology; Machine Learning; Computer Architecture; Artificial Intelligence; Big Data Analytics; Scalable & Cloud Computing

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

I studied graduate-level randomized and approximation algorithms and different models of computation with 17 students from across the world. I also mentored, guest lectured, and prepared exams for high school students studying the equivalent of CIS 160 (cis160.com).

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

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

Skills: Proficient: **Python**, **JavaScript**, **Java**, **HTML/CSS**, **LaTeX** | Intermediate: **Hack/PHP**, **C**, **OCaml**, **Bootstrap 4**, **R**, **DynamoDB**, **S3**, **MATLAB**, **React** | Learning: C++, React Native, Typescript, Expo, SQL, MongoDB, Android, Verilog, MapReduce, Spark, EC2

Work Experience:

Software Engineer Intern, Citadel, New York, NY **June 2020 to Aug. 2020 (50 hours/week)**

I worked on the Commodities Research Platform Technology team. My role included building out an analysis framework and a series of diagnostics for the modeling framework used by analysts across the Commodities organization. Citadel Campus Ambassador for Penn.

Trading Intern, Citadel Securities, New York, NY **June 2019 to Aug. 2019 (50 hours/week)**

I worked on both the Semi-Systematic Equity Options Market Making and Fixed Income Exchange-Traded Fund teams. My role included multiple analysis projects, shadowing traders, and a rigorous daily education program. Citadel Campus Ambassador for Penn.

Software Engineer Intern, Facebook, Menlo Park, CA **May 2018 to Aug. 2018 (40 hours/week)**

I worked on the Profile team, specifically on FBLite – the lightweight version of the Facebook app that is used all over the world, especially in developing countries and on feature phones, by nearly 400 million people monthly. I revamped the way in which people add profile frames, update profile pictures, and change cover photos. I also implemented temporary profile picture functionality.

Teaching Assistant Experience:

Teaching Assistant, CIS 521 (Artificial Intelligence – Master's Course) **Aug. 2020 to Present (8-15 hours/week)**
Teaching Assistant, NETS 212 (Scalable & Cloud Computing) **Aug. 2020 to Present (8-15 hours/week)**
Head Teaching Assistant, MCIT 595 Online (Systems Programming – Master's Course) **Aug. 2019 to May 2020 (10-15 hours/week)**
Course Design Assistant, MCIT 595 Online (Systems Programming – Master's Course) **Dec. 2018 to Aug. 2019 (5-12 hours/week)**
Teaching Assistant, CIS 320 (Introduction to Algorithms) **Jan. 2019 to May 2019 (5-12 hours/week)**
Teaching Assistant, CIS 160 (Mathematical Foundations of Computer Science) **Jan. 2017 to May 2018 (14-20 hours/week)**

Selected Project Experience:

Designed and built Codewords (codewordsgame.com)

- Built Codewords, an online implementation of the board game Codenames, at the beginning of the COVID-19 quarantine. It features private rooms, team selection, multiple word sets, a timer, chat, a scoreboard, leaderboards, and prevention of cheating. The website has had nearly 350,000 **unique** users and 1.9 million pageviews since April. We have had 86,000 average **unique** monthly users.

Designed and built mybook (a lite version of Facebook)

- Implemented a fully functional Messenger with group chats, message history, search, and a lite version of the Facebook platform with friends, friend requests, status updates, profiles, posting, online friends, a friendship visualizer, secure log in, and account creation.

Designed and built Pennslist (a marketplace similar to Craigslist, but designed specifically for Penn students)

- Built Pennslist with a team of three friends using JavaScript, Express, React, MongoDB and more for University of Pennsylvania students to advertise events, housing, goods, etc. Implemented personalized UI, favoriting, searching, filtering, and posting pictures.

Designed and built Penn Course Swap

- Built a tool using JavaScript, Express, React, MongoDB, and more for University of Pennsylvania students to trade courses.

Designed and prototyped Solar Blinds (smartphone-controlled blinds that harness solar energy)

- Director's Choice Award at the 2015 Management & Technology Summer Institute at Penn