VIDHART BHATIA

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EDUCATION

May 2020	**Carnegie Mellon University**, *B.S Computer Science* QPA **3.78**/4.0 *(Deans List F16, F17)*

Fall 2016	Principles of Imperative Computation	3D Calculus	Mathematical Foundations of Computer Science
Spring 2017	Functional Programming **	** Linear Algebra	Great Theoretical Ideas in Computer Science
Fall 2017	Parallel and Sequential Data Structures and Algorithms	Mobile Robot Programming
Spring 2018	Introduction to Computer Systems	Robotic Special Effects	Probability and Computing

EXPERIENCE

Fall 2017
Teaching Assistant, *Carnegie Mellon University, Pittsburgh*
15-151: Mathematical Foundations of Computer Science
- Guide incoming freshman through the wonderful world of discrete mathematics and support them as they struggle with sets, functions, combinatorics, probability, modular arithmetic and proof writing.

Spring 2017
15-110: Principles of Computing
- Introduced non-majors to the world of Computer Science and programming using Python.

Summer 2017
Instructor, *CAMPK12, Mumbai*
- Led several camps for middle school children and introduced them to Android development using the MIT Application Inventor platform and web development using HTML/CSS.

Summer 2016
iOS Development Intern, *Fusion Engineering, Mumbai*
- Prototyped a location journaling iOS application to help professionals with time management.
- Worked with Swift and tested various location tracking technologies in order to make the application both power and resource efficient.

2015
Head of Information Technology, *Cathedral Model United Nations**, Mumbai*
- Presided over all technology related work and developed the website for that year.
- Developed a web hosted database using PHP and WordPress to streamline the registration process.

PROJECTS

Nov. 2014 –
Present
E-Collect
- Established a non-profit to collect local electronic waste and to ensure its safe disposal.
- Created a website and used flyers and social media to spread the initiative across Mumbai.
- Partnered with an NGO, E-Incarnation, and have successfully recycled over a ton of toxic material.
http://www.ecollectmumbai.com

Sept. 2016
BOB'S Ramen, HackCMU 2016
Winner, Microsoft Mentor's Choice Award
- Collaborated with a team to build an Internet connected automated Ramen cooker in 24 hours.
- Designed and developed an iOS application to control the device.
- Built the main device with a Wi-Fi enabled microcontroller, cardboard and duct tape.
https://github.com/vidhartbhatia/BOBS-ramen

HONORS AND AWARDS

2015	**Represented India** at the London International Youth Science Forum, *Imperial College, London*
2014	**9th State Rank**, International Informatics Olympiad (Java)

LANGUAGES AND TECHNOLOGY

Java, C, Python, SML, Swift, MATLAB, HTML+CSS, JavaScript
Arduino, WordPress, Unity3D, XCode
English, Hindi