

# Palash Agarwal

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## Education

Cornell University: College of Engineering, Ithaca, NY	2014 - Present
Major: Bachelor of Science in Computer Science. Minor: Dyson Business Minor for Engineers, Cognitive Science.	
PACE Junior Science College, Andheri, Mumbai	2012 – 2014
High School Certificate (HSC) – Class 12	
Hiranandani Foundation School, Mumbai	2005 – 2012
Indian Certificate of Secondary Education (ICSE) – Class 10	

## Experience

Cornell University CS Department	Aug, 2015 – Present
Teaching Assistant for a Computer Science course – CS2800: Discrete Structures – in Fall, 2015.	
GCT Educorp	2013
Conceptualized and executed a business model for growth of Computer Science education business of my CS teacher. It comprised of branding and multiple revenue streams including, but not limited to, creation of a student website, partnership, logo design, and tying up resources and standardized content creation and delivery.	
This led to an increase in revenue by 40% through high revenue courses in summer and parallel classes, in the first year.	
Web Development	2015 - Present
Co-created <i>Wvector</i> : A Chrome extension that brings the power of Google Maps seamlessly into your browsing experience. 100+ current users.	
Competitive Programming	2013 - Present
Reached the national level in the Indian National Olympiad in Informatics [a precursor to International Olympiad in Informatics].	
Part of Cornell University's ACM Inter Collegiate Programming Contest (ICPC) project team.	
Participated in various competitive programming contests on <i>HackerRank</i> and <i>Codeforces</i> .	
University Projects	2014 - Present
SEAL: Simulating Evolving Artificial Life : Built a virtual world (in Java) whose inhabitants "Critters" had their own DNA to be parsed and interpreted. The <i>Critters</i> could wander around, eat food, reproduce, evolve, and fight. A GUI gave the user the "World View" and control over a <i>Critter</i> .	
Multi-Core Network HoneyPot : Built a network honeypot (in C and Assembly) which received packets over a virtual network device, analyzed and classified those packets, and tracked various stats over time. Reached 3.2 Mbps before dropping packets.	
Fully Pipelined MIPS : Built a 32-bit pipelined version of the MIPS architecture in Logisim.	
Economics	2013
Based on the research paper " <i>The market for lemons: Quality Uncertainty and the Market Mechanism</i> " by Nobel laureate George A. Akerlof, prepared a study paper where, applied the concepts to (i) Stereotypes and social perceptions and (ii) Stock Exchange.	
Other : Currently a 2 <sup>nd</sup> Dan Black Belt in Taekwondo.	

## Skills

*Comfortable with:* Java, C++, HTML, CSS, SASS, Python, JavaScript, Markdown; *Familiar with:* C, PHP, Python, LaTeX, Git (Version Control).