Siddhant Manocha

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EDUCATIONAL QUALIFICATIONS

The Johns Hopkins Univesity Baltimore, MD, U.S.A. • Bachelor of Science in Computer Sci., 2006
Cumulative GPA: 3.84/4.00 • Selected Coursework:

Computer Science Unix Programming · Data Structures · Automata & Computation · Computer System Fundamentals · Computer Networks · Info Retrieval and Web Agents · Operating Systems · Natural Lang Processing · Algorithms · Object Oriented Systems · Declarative Methods · Artificial Intelligence · Network Security · Databases

Mathematics Multivariable Calculus · Linear Algebra · Discrete Math · Math Models

WORK HISTORY

Bloomberg L.P. - Research and Development (2005)
Software Engineer
- Designed and developed an SQL abstraction layer and command-line interface over the proprietary db.
- Established a library to enable integration and standardization of the Python language into the Bloomberg
- Development Environment. Ported and rewrote legacy code in Python.
- Designed and developed a new standard for GUI specification and Client-Server interaction.
- Coded an automated data-miner capable of producing graphics-rich reports of product usage statistics.

The Johns Hopkins University - Department of Computer Science (2003)
Head Course Assistant for 600.113 Internet
- Instructed hands-on web design skills, ranging from basic HTML, to Database-driven websites, to interactive content. Organized the course as a head Course Assistant, held office hours, assigned grades.

Cyprus National Guard - Information Technology Branch (during army service 2000-2002)
Web Designer, Programmer, Network Administrator
- Designed and programmed the website for the Cyprus National Guard. Collaborated with a small team of both officers and drafted personnel for the website and other major projects.
- Headed the design and programming of a secure and efficient document retrieval server, client, and GUI.
- Drafted the security policies for numerous Army servers and administered the network infrastructure.
- Tutored web design (HTML and ASP) to officers. Took part in a team effort to promote Linux usage.

Prolix Corporation (incorporated 2001)
90% Owner, Programmer and Web Designer
- Created Prolix, a server side application for rapid deployment and management of database intensive websites, and used it to develop websites by contractual agreement.
- Retailed hardware and software after agreement with Multitech Corp., the largest regional importer.
- Collaborated with fellow Fulbright scholars to design a flexible media appliance.

University of Cyprus - MRDL (Multimedia Research and Development Laboratory) (1999)
Web Designer
- Designed websites for the university research project intranet-extranet websites.
- Collaborated with the MRDL Team and proposed and presented changes to existing websites.

Hawker Website Creations (1999)
49% Partner, Programmer and Web Designer
- Designed a gaming community website for the leading Internet Service Provider in Cyprus, Cytanet.
- Created HawkerCart (flat DB and MySQL versions), applications for rapid creation of e-commerce sites.

MCM Developments (1995 - 1998)
Computer-Aided Architectural Designer
- Designed a 150-house complex (Agros, Cyprus) and a multi-tower complex (Odessa, Ukraine.)

SKILLS

- Proficiency in software development in Java, Python, C, C++, C#, Perl, Assembly, Visual Basic.
- Familiarity with Regular Expressions, Threads, Sockets, Database Design, SQL, JSP, ASP, LaTeX
- Familiarity with UNIX, GNU/Linux, Win32.

HONORS AND AWARDS

- Awarded the 2005 Computer Science Outstanding Undergraduate Award.
- Honored with the prestigious CASP Undergraduate Scholarship from the Cyprus Fulbright Commission.
- Awarded the First Prize in English Poetry from The English School, Nicosia, Cyprus.
- Included in the Dean's List of Students, for all six completed semesters at the Johns Hopkins University.

EDUCATIONAL QUALIFICATIONS

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- Familiarity with Regular Expressions, Threads, Sockets, Database Design, SQL, JSP, ASP, LaTeX

- Familiarity with UNIX, GNU/Linux, Win32.

Scholastic Achievements

- Ranked in top 10 students in the institute among 837 students
- Secured All India Rank 100 in IIT-JEE 2012 among 0.5 million candidates
- Placed in top 0.05% (amongst over 1 million students) in AIEEE 2012 with AIR 148
- Awarded Academic Excellence Award (given to top 5% students) for exceptional academic performance in 2012-13
- Received Summer Undergraduate Research Grant for Excellence (SURGE) 2014, given by, IIT Kanpur
- Selected for Kishore Vigyan Protsahan Yojna (KVPY),2012 given by Department of Science and Technology, Government of India
- Awarded Certificate of Appreciation by the Director, IIT Kanpur for outstanding contribution in software development in Inter IIT Technical Meet held at IIT Bombay
- Amongst top 1% students in NSEA, pre-final round in Indian National Astronomy Olympiad 2011-2012

Technical Skills

- Programming languages: C, C ++ , Perl, Bash, HTML, JavaScript, CSS, PHP, MYSQL
- Platforms/Tools: Windows, Linux, Octave, GNU Plot, L A TEX, Matlab

Positions of Responsibility

- Secretary, Programming Club, IIT Kanpur June 2013-April 2014 Organized lectures at the hall level ,promoted participation in programming events and mentored juniors in Summer Project
- Academic Mentor, Counseling Service, IIT Kanpur April 2013-June 2014 Provided academic assistance to students from junior batches in Fundamentals of Computing (ESC 101)

Extra-Curricular

- Secured 2nd position in BattleCity, an AI strategy game event,amongst 23 teams held at Techkriti(2014), annual technical festival of IIT Kanpur
- Awarded Certificate of Appreciation for outstanding project as a part of Manufacturing Process course for fabricating Mechanical Odometer