

# CONSTANTINOS M. MICHAEL

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## EDUCATION

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**The Johns Hopkins University** 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

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## WORK HISTORY

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**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.)
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## SKILLS

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- 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, L<sup>A</sup>T<sub>E</sub>X
  - Familiarity with UNIX, GNU/Linux, Win32.
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## HONORS AND AWARDS

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- 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.