JASON M. LARKIN

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CAREER OBJECTIVE

I have extensive experience performing experimental and numerical studies of condensed matter physics.
I am interested in multi-language development for computing applications ranging from high-performance parallel computing to smart phone applications.
I am interested in open-source collaboration and development.
I am interested in improving the way research is performed and the way results are disseminated.
google+: social research
data mining: extract data structure from .pdf
chromebook: standard research laptop
Reduce the time to perform research:
2 variables:
1) quality of the researcher 2) quality of the tools

EDUCATION

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.