Lead Python Developer Lead Python Developer Lead Python Developer Davis, CA Work Experience Lead Python Developer DinnerWire, Inc May 2013 to November 2013 50000+ lines of Python, SQLAlchemy, PostgreSQL, TAL Page Templates, JavaScript, using Git Version Control. Startup of size 9, dinnerwire.com, developing social network for foodies and restaurants. Projects include 80% of Python backend for current website, 50% of Python backend for previous website, 20% of Python backend for mobile app server, 5% of JavaScript for current website, UnitTesting, website messaging functionality, etc. University of California Davis - Davis, CA January 2013 to October 2013 5000+ lines of Python, Python minidom, XML, Group of 2, proposing methods of analyzing at a flow in an organization to improve Data Leak Prevention, characterizing document content by automatic tagging and compare document similarity. We expect this to provide insight to the way data is used in an organization as well as support workflow process modeling. University of California Davis - Davis, CA June 2012 to October 2013 Bioinformatics Analysis on Glycopeptide Fragmentation Result on Mass Spectrometry Jun. 2012 - Oct. 2013 - 10000+ lines of Python, Python minidom, XML, Qt, wxPython, Group of 30, developing high performance mass spectrometry and separation methods for understanding the structural/function relationships of oligosaccharides and protein glycosylation. My job is bioinformatics analysis, such as deconvolution result visualization, glycopeptide mass matching, glycopeptide fragmentation analysis and pathway diagram visualization, etc. Comparison of Eclipse and NetBeans Integrated Development Environments Python November 2010 to December 2010 SQL, MatLab, Group of 2, in-depth research on Eclipse and NetBeans in reliability, maturity, maintainability, etc.. Our research provides software developers and other users with a detailed reference for determining which Integrated Development Environment to use for their projects. Callgraph PageRank and Term Frequency - Inverse Document Frequency (TF-IDF) Analysis on Google Chrome Source Code Oct. 2010 - Nov. 2010 - In-depth research and data mining on Google Chrome at parameter PageRank based on a callgraph of source files, to find important files; and at Term Frequency - Inverse Document Frequency Analysis on source code, to see which particular terms appears more often, or more important, or a combination of both. Undergraduate Final Year Project: Automatic

Accompaniment System Sep. 2008 - May 2009 - Java, Java Swing, Feed the system with MIDI pieces of pop or jazz, detect chords and chord progressions as the material of machine learning, and finally import a piece of monophonic MIDI melody, to generate a suitable accompaniment audible and modifiable after gaining enough experience. LIAMA - ??? March 2009 to July 2009 LIAMA (http://liama.ia.ac.cn/), Sino-French Laboratory for Computer Science, Automation and Applied Mathematics: 64-bit Scientific Computation Platform Mar. 2009 - Jul. 2009 - C, Python, Group of 11, developing scientific computation platform on 64-bit machines for BULL Corporation. School of Software Engineering, Beijing University of Posts and Telecommunications: Data Mining and Machine Learning in Game Artificial Intelligence Jun. 2008 - Oct. 2008 - Java, Java Swing, Group of 8, constructing a game: PacMan in 2-D, via artificial intelligence using data mining, machine learning, and pattern recognition. Projects Computer Graphics Projects Jan. 2011 - Mar. 2011 - C++, C++ G3D, Ray tracing including light and shadows, with anti-aliasing, soft shadows from an area light source, depth of field effect by tracing rays sampling the lens aperture area, and motion blur with GPU acceleration. RIP and OSPF May 2008 to June 2008 FreeBSD Shell, Group of 3, using 8 Interconnected PCs, to construct and analyze the characteristics and advantages of RIP and OSPF protocol transmissions. Microprocessor May 2008 to June 2008 VHDL, Group of 6, via 8051 Microprocessor, to implement a system which controls two lighting rigs on the stage. Group leader of 9 Medical Clinic System March 2008 to May 2008 including 3 sub-leaders, complete software engineering, requirements, analysis, design, implementation and testing of a medical clinic system. Microprocessor September 2007 to January 2008 VHDL, Group of 6, coded the entire Intel 8051 Microprocessor system bottom up from circuits. Complete Java Implementation of A-Law Mechanism Oct. 2007 - Nov. 2007 - Java, Group of 2, analysis, design, and implementation the telecomm subsystem using HashMaps, etc. Wireless Analog Mobilephone Charger August 2007 to September 2007 Group of 2, analog mobile charger design, with schematic circuit diagrams, and some welding work. Education M.S. in Computer Science University of California - Davis, CA September 2010 to December 2013 B.S.E. in Telecommunications Engineering University of London - London September 2005 to July 2009 B.S.E. in

Telecommunications Engineering with Management Beijing University of Posts and Telecommunications - ??? 2005 to 2009 Additional Information Skills Languages and Tools: Including but not limited to: Java, Python, C, L TEX. Familiar with C++, Objective-C, PHP, A Oracle, JavaScript, Haskell, MatLab. TM Frameworks: Pyramid, Django. Familiar with Spring, J2EE. Databases: PostgreSQL, MySQL, etc. Version Control Systems: Git, CVS, SVN. Environment: Unix-like (Unix, Linux, etc.), Mac OS and Windows. Mathematical Modeling, Music and Piano

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