

Python Programmer Python Programmer Python Programmer San Diego, CA Mathematician with strong practical and theoretical foundation in Computer Science Extensive experience in conceptualizing and implementing novel algorithmic solutions to complex data-intensive problems in multiple disciplines Many years of applying graph theory, linear algebra, statistical learning, regression, pattern matching, support vector machines, Bayesian learning, decision trees, and more to real problems. Authorized to work in the US for any employer Work Experience Python Programmer Pilot project for an anonymous startup company - Sacramento, CA 2016 to 2017 Developed and evaluated a data mining-based business model using automated web-based document discovery (scraping), optical character recognition, and database creation and mining. Graduate Teaching Assistant UC San Diego, Department of Computer Science 2012 to 2014 Taught: Algorithm Design and Analysis, Computability and Complexity, Introduction to Discrete Mathematics, Mathematics for Algorithm and Systems. Graduate Research Assistant UC San Diego, Department of Computer Science 2007 to 2011 Developed novel greedy method imitating perfect phylogeny in building mitochondrial phylogeny trees Developed new computational algorithms that improved on protein quantitation and peptide feature discovery for protein mass spectrometry Applied machine learning techniques to intercepting often overlooked overlapping peptide features Led large, computationally intensive studies on Post-translational Modifications in model plants Data Analyst/Software Developer National Computing Center For Credit Unions - IS 2004 to 2006 Iceland Built national-scale Oracle Data Warehouse used for data mining and business intelligence. Leader Iceland National Mathematics Team 1998 to 2006 Organized math contests; recruited and trained teams for International Olympiads; served on juries. Research Scientist/Software Developer deCODE Genetics - IS 2001 to 2003 Iceland Conceptualized and developed an original algorithm, using novel linear algebra and graph theoretical concepts, to automate the "partitioning problem" for genealogical disease families. Algorithm was incorporated into the company's commercial software suite for genetic disease research. Education Cand. Phil in Computer Science (Bioinformatics) University of California-San Diego - San Diego, CA DEA (M.Sc+) in Mathematics (Combinatorics speciality) Paris University VI (Curie) - Paris, France Skills Python (6

years), C++ (3 years), Javascript (1 year), Git (1 year), Java (3 years), Machine Learning (2 years), SQL (5 years) Links <http://linkedin.com/in/fjola-bjornsdottir> Additional Information Technical Skills Programming: Python, SQL, Java, C++, HTML, CSS, PL/SQL, C, Matlab, XML, JSON, AWK, RegEx, VisualBasic/MSAccess, Javascript, JQuery, R, shell scripting Tools: TextWrangler, Sublime, Emacs, vi, Atom, Pycharm, CVS, SVN, Eclipse, IntelliJ, Jbuilder, JUnit, DevTrack Systems: Linux, OS X, Windows Spoken Languages: Fluent in English, Icelandic, French. Basic in German, Danish, Spanish.

Name: Patrick Weaver

Email: mwood@example.com

Phone: 309.929.6875x48050