OLEKSIY G. BUDILOVSKY

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Berkeley/Davis graduate with 2+ years of professional engineering work, a graduate level publication with a machine learning application, and an interest in writing reliable code that helps solve challenging problems

TECHNICAL SKILLS AND EXPERIENCE

- **LANGUAGES:** Java, Python, SQL, JavaScript, HTML+CSS, C, Verilog; (*some*: R, Ruby, PHP, Scheme, MongoDB)
- **TECHNOLOGIES:** Unix, Windows, Git, Mercurial, BASH
- **IDEs:** Eclipse, Android Studio, Vim, Sublime, Notepad
- **OTHER EXPERIENCE:** SolidWorks, HSPICE (Circuit Simulation), MatLab, EagleCAD, PSoC Creator
- **MACHINE LEARNING LIBRARIES:** Artificial Neural Net, SVM, kNN, Random Forest, Naive Bayes
- **NON-TECHNICAL:** Fast learner, team player, good communication skills and energetic. Fluent in Russian

EDUCATION

University of California, Davis (Sept 2015 to Aug 2017)   Davis, CA
M.S. Electrical and Computer Engineering

- **GPA:** 3.XX/4.0
- **Research Project:** *A Data-Driven Approach to Pre-Operative Evaluation of Lung Cancer Patients*: SmartMask used for breath data collection. Use the data collected to train machine learning network for activity prediction. Paper accepted to IEEE health conference in China (Oct 2017)
- **Relevant Coursework:** Machine Learning, Computer Architecture, Computer Security, Computer Graphics (OpenGL), Circuit Design Courses

University of California, Berkeley (Aug 2009 to May 2013)   Berkeley, CA
B.S. Electrical Engineering and Computer Science (EECS)

- **GPA:** 3.XX/4.0
- **Significant Project:** 3 Stage CPU (MIPS Processor) for FPGA (Verilog, C)
- **Relevant Coursework:** Components and Design Techniques for Digital Systems (Verilog, Assembly, C), Digital Integrated Circuits, Embedded Systems (C), Databases (C, MySQL), Communication Networks (Python)

PROFESSIONAL EXPERIENCE

GT Nexus – Supply Chain Management (June 2013 to June 2015)   Oakland, CA
Software Engineer

- Back-end Java and SQL programming focused on developing and supporting several internal production support tools as well as customer facing features
- Bug support, six-week feature development cycles, 60,000 file codebase
- **Major Project:** Implement comprehensive platform-wide internal caching framework built on EHCache, used to reduce database access for common object queries

Work4 Labs – a Recruiting Solution Startup for the FaceBook Platform (Summer 2012)   San Francisco, CA
Software Engineer Intern

- Maintained cron-scheduled Python scripts for tracking company competitors

- Wrote PHP scripts with Nagios checks to automate pushing data from the back-end MySQL database to front-end SalesForce, for the benefit of the sales team
- Started a web-scraping lead generation script for over 350K potential company clients

UC Berkeley Sponsored Projects Office (Summer 2010, 2011 & Winter 2011, 2012)   Berkeley, CA
Research Administration Assistant
- Assisted in managing hundreds of research proposals from UC Berkeley faculty to other educational facilities, profit and non-profit corporations, government entities, and foreign institutions
- Independently accessed the urgency of proposals and planned accordingly for filing, inputting, and distributing in a high-paced environment

Kumon Learning Center (Fall 2005 to Spring 2009)   Pleasant Hill, CA
After school tutor for math and reading, twice a week

OTHER/INTERESTS

Theta Delta Chi International Fraternity   Berkeley, CA
New Member Trainer (Fall 2012), Social Chair (Spring 2012), Recruitment Chair (Spring 2011)

Personal Interests
Chess, working out, sports, lounging, night-life