Ozan Iskilibli

3473 N 1st St, Unit 322, 95134, San Jose, CA, USA

1 (412) 499-0591 & ozaniskilibli@gmail.com

EMPLOYMENT

Oracle, Santa Clara, CA, USA
Software Engineer 9/2014 – Present

- Developed RESTful web services on Tomcat – Seams – RESTEasy and Tomcat – Guice – Jersey stacks that enabled scalable growth of Oracle Virtual Network Services.
- Engineered Java back-end for L7 server load balancing feature that enabled customers to route the client calls over their cloud based on incoming HTTP request contents.
- Developed a plugin for Oracle Enterprise Manager Cloud Control that linked the networking environment to the cloud administration that enabled monitoring & managing network services, load & performance on cloud level.
- Developed an object-oriented framework in SystemVerilog to verify link layer front-end of InfiniBand network adapters. Built system models that by simulating network bottlenecks, enabled accurate performance measurements and typical loads before field testing.
- Designed Verilog modules for I/O virtualization of Oracle servers, that helped migration to a new supplier and to reduce the manufacturing costs by 3x.

Carnegie Mellon University, Pittsburgh, PA, USA
Research Assistant 1/2013 – 8/2014

- Designed a futuristic AI for pattern recognition scenarios in image processing. Optimizing the system performance with the genetic algorithm, developed the largest scale integration effort of emerging technologies known to date.
- Led the implementation efforts of a team of 3 that prototyped a first of its kind artificial intelligence solution by innovatively combining cutting-edge technologies developed in-house with emerging technologies developed together with a Stanford lab.
- Modeled an infrared camera imager in MATLAB and optimized its performance with analytical optimization methods. Achieved 2 orders of magnitude better performance than its class.

Texas Instruments, Munich, Germany
Research Engineer 3/2012 – 10/2012

- Designed a human-machine interface by innovatively translating product design know-how along with users' real-life challenges into a mixed integer problem. Developed an optimization engine based on depth-first-search algorithm that reduced the running time from hours to minutes, while achieving 100x better performance in product's class.
- Leveraging design, integration, systems and application teams, built a detailed MATLAB model that, while adding no extra manufacturing cost, optimized for conflicting performance goals.

SKILLS

- Java, Bash scripting, SVN, Linux, MATLAB, RESTful APIs, Web programming, Object-oriented design, Data structures, Algorithms, Neural Networks, Image processing.

EDUCATION

Carnegie Mellon University (CMU) Pittsburgh, PA, USA 1/2013 – 8/2014
MS in Electrical and Computer Engineering, GPA: 3.96/4.00

University of Technology, Munich (TUM) Munich, Germany 10/2010 – 9/2012
MS in Communications Engineering, GPA: 3.90/4.00

ACHIEVEMENTS

- Recipient of Carnegie Institute of Technology, Dean's tuition fellowship (full tuition coverage) (2013).
- **Broke 4 U18 National Records** in National Finswimming Championships in 2004 and 2005.
- **Team captain** who led his team to U18 victory and 3rd place in all age categories in 2004 and 2005.