Fatih Karaoğlanoğlu

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RESEARCH INTERESTS	Computational Genomics, Graph Algorithms, High Performance Computing, Computer Architecture

EDUCATION

Bilkent University, Ankara, Turkey

- Master of Science (M.Sc.) in Computer Engineering — Jan 2017 – Present
  - Advisor: Asst. Prof. Can Alkan
  - CGPA: 3.77/4.00
- Bachelor of Science (B.S.) in Computer Engineering — Aug 2012 – Jan 2017
  - Granted comprehensive scholarship
  - CGPA: 3.12/4.00

RESEARCH AND TEACHING

Bioinformatics and Computational Genomics Group

- Research Assistant — Jan 2017 – Present
  - Project: Discovery of Large Structural Variations Using Long Range Information
  - Supervisor: Asst. Prof. Can Alkan

Bilkent Information Retrieval Group

- Research — Sep 2017 – Present
  - Project: Online Multi-label Ranking via Spatially Modeled Ensemble
  - Supervisor: Prof. Fazlı Can

Institute of High Performance Computing, A*STAR

- Undergraduate Research Assistant, Computer Science Department — Jun 2016 – Sep 2016
  - Project: High Level Synthesis of Machine Learning Algorithms on FPGAs
  - Supervisor: Dr. Tang Wai Teng
  - Research areas: Performance tuning and optimization, Distributed and parallel computing

Bilkent University

- Teaching Assistant — Jan 2017 – Jun 2017
  - CS 224: Computer Organization
  - Instructor: Assoc. Prof. Özcan Özturk
- Teaching Assistant — Sep 2017 – Present
  - CS 101: Algorithms and Programming
  - Instructor: David Davenport

TALKS, PUBLICATIONS

HIBIT: 10th International Symposium on Health Informatics and Bioinformatics. — Jun 2017

- Submitted an abstract and gave a talk on my research,
  - *Discovery of large genomic inversions using long range information.*

WORK EXPERIENCE

HAVELSAN Inc., Ankara, Turkey — Aug 2015 – Sep 2015

- Software Intern,
  Implemented a radar simulation system using existing mission simulator code base.
- Mission Support & Ground Systems Command & Control Software Group

SCHOLARSHIPS, AWARDS, HONORS

- Singapore International Pre-Graduate Award (SIPGA), A*STAR — Jun 2016
  Supports short-term research attachments for top international students at A*STAR. This award funded my IHPC research internship for 3 months with $1500 monthly stipend
- High Honor, Fall 2014, Fall 2015, Bilkent University — 2014 – 2016
  For attaining a semester GPA of at least 3.50.
- IEEEXtreme 9.0 Programming Competition 2th place in Turkey, 78th in the World — 2015
- IEEEXtreme 8.0 Programming Competition: 5th place in Turkey — 2014
- IEEEXtreme 7.0 Programming Competition: 4th place in Turkey — 2013
- University Entrance Exam: ranked 276th among 1.8 million students. — 2012

LANGUAGES
- Turkish: Native language.
- English: Fluent (speaking, reading, writing).
  TOEFL IBT: 105

SKILLS
- **Programming Languages (In the order of preference and skill):**
  C, Bash, Python, Java, Javascript, Mips Assembly, OpenCL, OpenMPI, MATLAB
- **Other:**
  Linux, Git, LaTeX, HTML/CSS, Unity3D.
- **Courses:**
  CS 425: Algorithms for Web-Scale Data, CS 426: Parallel Computing, CS 473: Algorithms, CS 481: Bioinformatics Algorithms, CS 476: Automata Theory and Formal Languages, CS 502: Algorithms II, CS 557: Computational Systems Biology