ANTON ORLICHENKO
B.S. Electrical and Computer Engineering

1013 Old Gate Road
Pittsburgh, PA 15235

507-254-1372
aorliche@gmail.com

SUMMARY

Excellent research and data analysis skills, thorough understanding of engineering design
Efficient organizational and time management skills, results oriented
Self-starter, ambitious, team player with experience leading cross-functional teams

SKILLS

Western Blot, Silver Stain, ELISA
GCC, GDB, Eclipse, NetBeans, Microsoft Visual Studio
Strong knowledge of programming in Java, C, C++, Assembly Language, Python, HTML, JavaScript, SQL, and CSS, PyTorch, Numpy

EDUCATION

TULANE UNIVERSITY, New Orleans, LA
Department of Biomedical Engineering
Doctor of Philosophy Candidate August 2020 – Present
Cumulative GPA: 4.0/4.0

ILLINOIS INSTITUTE OF TECHNOLOGY, Chicago, IL
Department of Electrical and Computer Engineering
Bachelor of Science in Electrical and Computer Engineering (Dual Degree) December 2010
Cumulative GPA: 3.70/4.0
Major GPA: 3.87/4.0 (CPE), 3.82/4.0 (EE)
Marvin Camras Scholarship 2006, Research Experience for Undergraduates 2009 Award

PROFESSIONAL EXPERIENCE

COMMUNITY COLLEGE OF ALLEGHENY COUNTY, Pittsburgh, PA
Adjunct Computer Science Faculty January 2018 – August 2020

- Taught core software engineering concepts using the Java programming language
- Taught web development technologies including HTML 5, JavaScript, and CSS
- Developed laboratory assignments for Java programming and web development

COMMUNITY COLLEGE OF ALLEGHENY COUNTY, Pittsburgh, PA
Chemistry, Physics, Biology, and Computer Science Tutor August 2015 – Present

- Tutored students in the fields of general and organic chemistry, biology, and genetics
- Aided students with programming in Java, C, C++, and assembly language
- Prepared students for exams and helped with labs, projects, and assignments

MOTOROLA INC, Schaumburg, IL
Student Intern January – December 2010

- Designed coverage for complex two-way radio systems
- Minimized the cost of a countywide simulcast design by about 10% using optimal site selection
- Optimized the channel utilization for countywide systems using frequency reuse planning
- Coordinated large projects with a team of system engineers

SCIENTIFIC EXPERIENCE

ILLINOIS INSTITUTE OF TECHNOLOGY / DEPT BIOMED ENGINEERING, Chicago, IL
Undergraduate Research Assistant June 2007– December 2009

- Designed and executed diffusion tensor MRI experiments to identify pathologies in the brains of subjects for treatment optimization
- Analyzed experimental data sets significant differences between study groups
- Co-authored 2 papers for publication in scientific and medical journals
- Trained and supervised lab personnel conducting research and experiments

SELECTED PUBLICATIONS

H Peng, A Orlichenko, RJ Dawe, G Agam, S Zhang, K Arfanakis. Development of a human brain diffusion tensor template. Neuroimage, 2009.

K Phan, A Orlichenko, E Boyd, M Angstadt, E Coccaro, I Liberzon, K Arfanakis. Evidence of white matter abnormality in the uncinate fasciculus in generalized social anxiety disorder. Biological Psychiatry, 2009.