

Suhrab Kurbanov

Online Portfolio: SuhrabK.com

Olympic medalist, geneticist, and experienced software engineer with strong data structure, algorithm, and problem solving fundamentals.

Experience

2017–07 – present	Intern • Developer • Bioinformatics Programmer <i>North American University, Department of Computer Science</i> <ul style="list-style-type: none">• Provide technical advice and assist in solving programming problems• Develop Bioinformatics apps by implementing Genomic and Proteomic databases• Create backend user authentication system using Python and MySQL / PostgreSQL• Develop frontend web applications using AngularJS and ReactJS
2015 – present	Software Engineer • Data Analyst <i>Antivlia LLC</i> <ul style="list-style-type: none">• Developed web scraping programs using Python for collecting competitive data• Designed and developed programs that automates inventory purchasing and selling• Developed price predicting apps for a given niche of goods• Saved the company approximately \$200,000 / year
2011 – 2017	Graduate Research Assistant <i>Baylor College of Medicine, Department of Pediatrics</i> <ul style="list-style-type: none">• The role of the CD1d-restricted Natural Killer T cells in the immune response to Salmonella-based recombinant cancer vaccines• Development of a cancer vaccine using attenuated Salmonella and type III secretion system to deliver recombinant tumor-associated antigens
2009 – 2009	Intern • Research Assistant <i>Center for Infectious Medicine, Karolinska Institutet, Sweden</i> <ul style="list-style-type: none">• Expression, Refolding and Crystallization of an Artificially Mutated MHC class I Molecule with a Truncated HIV Peptide• Presented the results in symposium, Cambridge University, London, UK

Education

2018 – present	North American University Master of Science in Computer Science Honors: Ranked in top 10 in ICPC Programming / Algorithm Contest on November 10, 2018
2011 – 2017	Baylor College Of Medicine Immunology & Microbiology Graduate Program PhD Candidate with Master's Degree
2007 – 2011	Fatih University Bachelor of Science in Biology with a minor in Bioengineering GPA: 3.87 / 4.0 Honors: Ranked 1st in the department throughout 4 years

Personal Websites

SuhrabK.com
<ul style="list-style-type: none">• For project details please visit http://suhrabk.com/portfolio

Personal Info

Date of birth 1990-02-05
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GitHub https://github.com/suhrabjan
LinkedIn https://www.linkedin.com/in/suhrab-kurbanov-95aa8046/

Programming Skills

Languages:	
• JavaScript	• HTML
• Java	• CSS
• Python	• SQL
Tools, Frameworks, and Libraries:	
• Git & GitHub	• Angular
• Django	• React
• Flask	• Node
• Numpy	• Pandas
• Matplotlib	• JQuery
• Heroku	• AWS
Testing Tools and Frameworks:	
• Java Selenium	• JUnit
• Python Selenium	• POM
• Cucumber	• Jenkins
• TestNG	• JIRA

Latest Projects

DNA_RNA_Protein Converter App: Scrum Master & Lead Developer
BulkImageResizer App Python Developer / Software Engineer
Memory Game App Web Developer / Game Developer
Snake Game App Web Developer / Game Developer
<i>Please refer to portfolio for details on these projects</i>

Developer, Writer, Administrator
Personal blog about programming, web / mobile development, algorithms and more

genome-projects.com
Developer, Writer, Administrator
Project created to continuously develop interesting bioinformatics projects, share ideas, and more. Currently in development environment. Will be available in production environment by December 2018.

Awards and Achievements

2018–11	Will be competing in ICPC Programming & Algorithm Contest
2007	Won Bronze Medal in International Biology Olympiad, Saskatoon, Canada
2006	Honorable Mention in International Biology Olympiad, Rio Cuarto, Argentina Gold and Silver medal in National Biology Olympiad of Turkmenistan

Scientific Publications

2017	“Development of an Effective Cancer Vaccine Platform Using Attenuated Salmonella Typhi”. Xin Xu, Michael S Wood, Suhrab Kurbanov , James E Galen, and Leonid S. Metelitsa. Molecular Therapy, 2017 May, 25(5):359–359
2016	“Development of an Effective Cancer Vaccine Platform Using Attenuated Salmonella To Deliver Recombinant Tumor–Associated Antigens.” Xin Xu, Michael S Wood, Suhrab Kurbanov , Linjie Guo, Xiuhua Gao, James E Galen, and Leonid S. Metelitsa. Molecular Therapy, 2016 May Volume: 24 / Pages: S74–S75.
2014	“Development of an Effective Cancer Vaccine Using Attenuated Salmonella and Type III Secretion System to Deliver Recombinant Tumor–Associated Antigens.” Xin Xu, Wael Abdel Halim Hegazy, Linjie Guo, Xiuhua Gao, Amy N. Courtney, Suhrab Kurbanov , Daofeng Liu, Gengwen Tian, Edwin R. Manuel, Don J. Diamond, Michael Hensel, and Leonid S. Metelitsa. Cancer Research, 2014 Nov 1;74(21):6260–70.
2013	“Potent Therapeutic Activity of a Novel Salmonella–based Cancer Vaccine. ” Xin Xu, Wael Hegazy, Xiuhua Gao, Linjie Guo, Amy Courtney, Suhrab Kurbanov , Micheal Hensel, and Leonid S. Metelitsa. Journal of Immunology, 2013, 190, 45.5

Activities and Hobbies

Actively competing in algorithm contests such as:

hackerrank: Problem solving website. Ranked in top 1% out of 1221929 contestants

leetcode: Problem solving website.

rosalind.info: collection of bioinformatics problems

References

References are available upon request