

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

Experience

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

Education

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

Personal Websites

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| <b>SuhrabK.com</b><br><i>Developer, Writer, Administrator</i><br>Personal blog about programming, web / mobile development, algorithms and more |
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- For project details please visit <http://suhrabk.com/portfolio>

Personal Info

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| <b>Date of birth</b><br>1990–02–05   |
| <b>Phone</b><br>(832)–231–0107   |
| <b>E-mail</b><br>sir.suhrab@gmail.com  |
| <b>GitHub</b><br><a href="https://github.com/suhrabjan">https://github.com/suhrabjan</a> |

**Visa Status**  
FI Student with CPT (Curricular Practical Training), Eligible to work full time

Programming Skills

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

Latest Projects

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

**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**

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

**Scientific Publications**

|             |  |
|-------------|--|
| <b>2017</b> | “Development of an Effective Cancer Vaccine Platform Using Attenuated Salmonella Typhi”. Xin Xu, Michael S Wood, <b>Suhrab Kurbanov</b> , James E Galen, and Leonid S. Metelitsa. Molecular Therapy, 2017 May, 25(5):359–359   |
| <b>2016</b> | “Development of an Effective Cancer Vaccine Platform Using Attenuated Salmonella To Deliver Recombinant Tumor-Associated Antigens.” Xin Xu, Michael S Wood, <b>Suhrab Kurbanov</b> , Linjie Guo, Xiuhua Gao, James E Galen, and Leonid S. Metelitsa. Molecular Therapy, 2016 May Volume: 24 / Pages: S74–S75.  |
| <b>2014</b> | “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, <b>Suhrab Kurbanov</b> , 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. |
| <b>2013</b> | “Potent Therapeutic Activity of a Novel Salmonella-based Cancer Vaccine. ” Xin Xu, Wael Hegazy, Xiuhua Gao, Linjie Guo, Amy Courtney, <b>Suhrab Kurbanov</b> , 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**