

SIMON ALEXANDER WARCHOL

SimonWarchol.github.io

440 Carswold Dr. St. Louis, MO 63105

Simon.A.Warchol@gmail.com (314) 856-8575

EDUCATION

Tufts University

Bachelor of Science, *magna cum laude*
Major: Computer Science; Minor: Economics

Medford, MA

September 2011- May 2015

RELEVANT COURSES

Machine Structure and Assembly Language Programming, Algorithms, Programming Languages, Computation Theory, Database Systems, Web Engineering, Human Computer Interaction, Visualization, Probability and Statistics for Engineering, Data Structures, Object-Oriented Programming for Graphical User Interfaces

WORK EXPERIENCE

Tufts University

Teaching Assistant

Medford, MA

January 2014 – May 2015

- Assist Data Structures students in their understanding of course concepts.
- Help students plan out and debug course assignments and projects.
- Grade student assignments and review graded coursework with students.

Visual Analytics Laboratory at Tufts

Research Assistant

Medford, MA

September 2014 – December 2014

- Aid in visualization research and contribute to lab publications and presentations.
- Participate in weekly lab group meetings.
- Analyze large data sets and find correlations and trends in these data sets.

ILEX

Software Development Intern

E. Taunton, MA

June 2014 – August 2014

- Designed, built, and implemented inventory database software in C# with Visual Studio 2013.
- Maintained online product database via PHPMyAdmin.

Glasslight Technologies Inc. (Incubated by Thrupoint CafeX)

Software Engineer / Graphic Designer

Cambridge, MA

May 2013 – August 2013

- Co-creator of the "American Banker Mobile Banking & Commerce "Mobile Solution of the Year" winning "Bank of Now" iPad app for Cisco.
- Worked with various corporate clients to design, create, and pitch enterprise software.

ACTIVITIES

Baseball Analysis at Tufts

Treasurer

September 2014 – May 2015

President

January 2012 – May 2014

- Perform extracurricular statistical baseball research and data analysis.
- Visualize the results of these analyses and present them to fellow Sabermetricians and MLB executives.
- Compete in the SABR Analytics Conference Case Competition as part of Tufts' Baseball Analysis team.

SKILLS

- Objective Oriented Programming (Java, C#, C++)
- Web Development (HTML, CSS, JavaScript)
- Data Visualization (Processing.js, d3, Excel)
- Data Analysis (R, Excel)
- C
- Database Systems (mongoDB, PostgreSQL, MySQL)
- Web Frameworks (Django, Node.js)
- Graphic Design (Adobe Photoshop, Adobe Illustrator)
- Spanish Proficiency