SIMON ALEXANDER WARCHOL

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EDUCATION

Tufts University   Medford, MA
Bachelor of Science*, magna cum laude*   *September 2011- May 2015*
Major: Computer Science; *Minor: Economics*

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   Medford, MA
Teaching Assistant   *January 2014 – May 2015*
- Assist Data Structures students in their understanding of course concepts, including sorting algorithms, hashing, trees, stacks, queues, and linked lists.
- Help students plan out and debug course assignments and projects written primarily in C++.
- Grade student assignments and review graded coursework individually with students.

Visual Analytics Laboratory at Tufts   Medford, MA
Research Assistant   *September 2014 – December 2014*
- Worked in conjunction with a team at the University of Michigan to analyze a large data set of infographics to determine which factors yield a more effective visualization.
- Participate in weekly lab group meetings and contribute to the research of other lab members.

Glasslight Technologies Inc. *(Incubated by Thrupoint CafeX)*   Cambridge, MA
Software Engineer / Graphic Designer   *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.
- Integrate CaféX WebRTC into various corporate customer service applications and pitch these augmented apps.

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