Jason Fan

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EDUCATION

Tufts University, Boston   *Expected May 2017*
B.S. in Computer Science & Mathematics
GPA: 3.89 / 4.00, Dean's List (2013 - present)
Relevant courses???? TODO

EXPERIENCE

Microsoft   June - September 2016 (12 weeks)
Software Development Intern, C+E Engineering Systems   *Redmond, WA*
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Ab Initio Software   June - August 2015 (11 weeks)
Software Development Intern   *Boston, MA*
· Wrote code that is shipped in Ab Initios process management and monitoring client
· Built and helped design feature that allowed administrators to customize the clients dashboard
· Refactored a collection of anonymous data-structures into a type-safe and easily extensible class hierarchy
· Built a Package for Support feature that collected and packaged information about a monitored process while working closely with Ab Initio's support group

Microsoft   June - July 2010 (5 weeks)
Marketing Intern, Consumer Channels Group, Xbox Team   *Hong Kong, China*
· Categorize and analyze two-thirds (approx. 90) Xbox retailer stores in Hong Kong
· Participate and present at an Asia Pacific Region CCG Train-the-Trainer event for Xbox and Surface Teams

PROJECTS AND COURSEWORK

Ray Traced Constructive Solid Geometry Renderer   Spring 2016
C++, OpenGL   *Computer Graphics, Class Project*
· Implemented and devised a method to express and ray trace complex set/boolean operations applied to 3D shapes.

Force Directed Edge Bundling Methods, Models, and Implementations   Fall 2015
Java, 'Processing' Framework/Library   *Visualization, Class Project*
· Implemented and improved a physics based, iterative method of grouping edges to simplify complex graphs.

Visualizing the urbanization of the globe with Wikipedia data   Spring 2015
Python, JavaScript, D3   *Computational Methods in the Humanities, Class Project*
· Parsed 60GB of Wikipedia markup to create an interactive app to explore when and where settlements around the world were established.

Stealth Shrooms   Unity, C#
Spring 2015   *2015 Bostino Global Game Jam*
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Class Project   *Tufts University*
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Optimization and building an emulation of RISC-style Machine with 14 instructions   Fall 2014
Class Project   *Tufts University*

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JPEG Like compression algorithm Fall 2014
Class Project *Tufts University*
· TODO

SKILLS

Languages	C/C++, Python, JavaScript, C#, LaTex, ML, (Worked with: Java, HTML)
Frameworks	Node.js, MongoDB, ASP.NET Core (Worked with: SQL, OpenGL, D3)
Tools	Vim, Unix, Git & Github, Perforce, IntelliJ, Visual Studio, Powershell