

Dave Sayles

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Objective	A position in the field of computer science.	
Education	<i>Bachelor of Science</i> , Computer Science and Digital Art Union College, Schenectady, NY, 12308 Minor: Japanese <i>Bachelors Thesis</i> : Evofab: A Fully Embodied Evolutionary Fabricator. <ul style="list-style-type: none">- Wrote an Interactive Evolutionary Algorithm to optimize movement instructions for a 3D printer in order to create specific patterns.- Co-Wrote conference paper with thesis advisor based on successful findings.	
Skills	<i>Programming Languages & Applications</i> : Python, C++, L ^A T _E X, VIM, GIT <i>Spoken Languages</i> : English (native), Japanese (conversational).	
Publications	J. Rieffel and D. Sayles. EvoFab: A Fully Embodied Evolutionary Fabricator. In: 9th International Conference on Evolvable Systems, Sep 6 2010	
Experience	<div><div><i>Software Developer</i> Makerbot Industries, Brooklyn, NY</div><div>Apr 2012 - Present</div><ul style="list-style-type: none">- Owned <i>s3g</i> printer driver and machine code utility package for use in <i>MakerWare</i> (https://github.com/makerbot/s3g).- Exercised meticulous test driven development protocol; printer driver has roughly 95% code coverage.- Worked on <i>conveyor</i>, a CUPs-like dispatch system leveraged by <i>MakerWare</i> for printing (https://github.com/makerbot/conveyor).- Contributed on Replicator 1/2 Firmware (https://github.com/makerbot/mightyboardfirmware).</div> <div><div><i>Software Technician</i> Makerbot Industries, Brooklyn, NY</div><div>Jan 2012 - Apr 2012</div><ul style="list-style-type: none">- Wrote extensive Testing/Quality Assurance documentation for software/hardware.- Conducted experiments geared towards validating new hardware.</div> <div><div><i>Program Manager</i> Matthew Sayles Foundation, Ridgewood, NJ</div><div>Dec 2012 - Present</div><ul style="list-style-type: none">- Sit on the Executive board for charitable Not-For-Profit Organization, geared towards raising awareness of Salivary Gland Cancer.- Run bi-monthly meetings.- Manage vendors and equipment for Saylestock Music Festival.</div>	
Experience	<i>Eagle Scout, Boy Scout Troop 8</i> <i>Deans List, 2012</i>	