

**David Sayles**  
<http://github.com/dgs3>

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- OBJECTIVE** A position in the field of computer science with interests in research.
- EDUCATION** *Bachelor of Science*, Computer Science and Digital Art  
Union College, Schenectady, NY, 2010  
Minor: Japanese  
*Bachelors Thesis*: Evofab: A Fully Embodied Evolutionary Fabricator.  
- Developed novel system for evolving physical shapes using a 3D printer.  
- Wrote an Interactive Evolutionary Algorithm to optimize movement instructions for a 3D printer in order to create specific shapes.
- PUBLICATIONS** J. Rieffel and D. Sayles. EvoFab: A Fully Embodied Evolutionary Fabricator. In: 9th International Conference on Evolvable Systems, Sep 6 2010
- SKILLS** *Typed Languages & Software*: Python, C++, Bash, L<sup>A</sup>T<sub>E</sub>X, VIM, GIT; Unix, Mac OSX and Windows Operating Systems.  
*Coding Style*: Test Driven  
*Spoken Languages*: English (native), Japanese (conversational).
- EXPERIENCE** *Junior Software Developer* Jan 2012 - Present  
Makerbot Industries, Brooklyn, NY  
- Co-Wrote main driver for use in MakerWare.  
- Work on dispatch system and firmware for MakerWare and The Replicator, respectively.
- Program Manager* Dec 2012 - Present  
Matthew Sayles Foundation, Ridgewood, NJ  
- Currently work on the Executive board for charitable Not-For-Profit Organization, geared towards raising awareness of Salivary Gland Cancer.  
- Manage vendors and equipment for Saylesock Music Festival.
- Insurance Producer* June 2011 - Jan 2012  
David Sayles Insurance Services, Glen Rock, NJ  
- Administered Computer Network, reconciled monthly bills, managed disaster recovery system.
- ESL Teacher* Sep 2010 - May 2011  
Interac Co. LTD, Tokyo, Japan  
- Worked in non English speaking environment as an English Language instructor at 5 separate public schools.
- OTHER EXPERIENCE** *Eagle Scout, Boy Scout Troop 8*