Michael**Recachinas**

student, electrical engineer, software engineer, web developer

about

100 Stadium Rd
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clearance

TS/SCI
SSBI: 5/2/13
CI Poly: 7/29/13

programming

Python, Ruby, JS, C
Haskell, Java, Obj-C
HTML5 & CSS3/SASS

frameworks

Flask, Node.js, Rails
Django, iOS, Android

interests

machine learning
artificial intelligence
genetic computing
neural networks
RF/microwave circuits
digital/analog circuits
data mining/analysis
quantum computing
UX design

education

2010-2014	**University of Virginia** BS in Electrical Engineering	GPA 3.01
	Major in Computer Science	
	Major in Electrical Engineering	
	Major in Physics	
	Minor in Applied Mathematics	

experience

05-08/2013   **Scitor Corporation** Program Management Intern   Chantilly, Virginia
Conducted integrated technical analysis of FPGA issues found during risk reduction effort for multi-million dollar next-generation memory unit for the National Reconnaissance Office's largest satellite system; Built an iPad app similar to Google Earth with advanced customer-specific features

since 2012   **CampSummerset.com** Lead Web Developer (Rails)   Chevy Chase, Maryland
Completely redesigned CampSummerset.org; new website helped generate a 400% increase in camper enrollment

since 2012   **SchoolhouseOnline.org** Lead Web Developer (Drupal)   Charlottesville, Virginia
Built forums for teachers to share ideas and "credit" score system to show students their progress; currently optimizing site for mobile and reducing overall memory footprint

since 2012   **UVa Athletic Department** Academic Tutor   Charlottesville, Virginia
Tutored Multivariable, Differential Equations, Probability, Statistics, Software Development, Data Structures, Electronics I & II

08-12/2010   **Virginia Discovery Museum** Hardware Engineer   Charlottesville, Virginia
Developed an interactive museum exhibit; responsible for UX, telemetry circuit system, and program management

activities

since 2013   **Jubilate Choir** Steering Committee & Web Developer   Charlottesville, Virginia
Completely redesigned Jubilateuva.org to utilize a responsive, mobile-friendly design; active on the Steering Committee in planning

projects

since 2013   **Circuit.js**   Charlottesville, VA
A web-based pseudo-SPICE engine that can be used both as a teaching tool and measurement validation tool

2013   **Web Browser and Search Engine**   Programming Languages Project
Using python, built a lexer, parser, and interpreter of JavaScript to create a light web browser
Using python, built a web-crawler and rank system to create a search engine

fall 2012   **Command-Line Photoshop & Raytracer**   Computer Graphics Project
Lightweight image manipulator built in C++ that can be used to both edit images as well as render ray files; Added interactivity using OpenGL

fall 2011   **Instant Messaging Client**   Software Engineering Project
Lightweight alternative to AIM or IRC built in Java
In a small agile team, built the UI and optimized functionality
Won best overall design