

# Michael Recachinas

student, electrical engineer, software engineer, web developer

## about

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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  
Major in Computer Science  
Major in Electrical Engineering  
Major in Physics  
Minor in Applied Mathematics

GPA 3.01

## 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