

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