

## Michael L. Otte

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*Github:* github.com/otterpop13

**INTERESTS** Web applications, MVC framework, social network programming, efficient server/database management, immunology research.

**EDUCATION** **Dartmouth College**, Hanover, NH, June 2013  
Socio-Cultural Anthropology (Honors) GPA: 3.8/4.0  
Biology, Concentration in Immunology

**COMPUTER SKILLS** Languages: Javascript, JQuery, AJAX, PHP, MySQL, HTML, CSS.  
Applications: L<sup>A</sup>T<sub>E</sub>X, Photoshop, vectors, spreadsheets, databases, and presentation software.  
Algorithms: Markov Chain, Dijkstra's, depth-first search, breadth-first search.

**EXPERIENCE** **Dartmouth Hacker's Club**, Hanover, NH **September 2010-Current**  
*Hacker, Web Designer/Developer*  
Programming for Dartmouth and the general community

- Created a web scraper using Hpricot, ruby on rails, "swift, liberal HTML parser"
- Open source GitHub projects and Heroku cloud application platform

**IvyNexus Project**, Dartmouth College Hanover, NH **March 2011-Current**  
*Founder*  
Social network for students

- Programmed a working scalable/flexible MVC framework with PHP
- Minimalist, user-friendly web design with UX research
- MySQL database with efficient/effective table implementation and data access
- AJAX with both XML and JSON data structures
- Secure programming against cross-scripting, SQL injection
- Efficient and readable coding

**Michael Otte**, Santa Cruz, CA **March 2010-Current**  
*Web Designer/Developer*  
Programming for Businesses and Individuals

- Tailored web programming from start to finish
- HTML and Photoshop prototyping
- Donated hundreds of dollars of profits to Jordan International Aid/Enoch Foundation

**COMMUNITY SERVICE** Emergency Medical Service at Dartmouth College October 2009-Present  
Medical Mission to Haiti through Jordan International Aid August 2010

**REFERENCES** Dr. Jonathan Jones, primary investigator, DHMC & DMS  
- (603) 727-6032 - Jonathan.D.Jones@hitchcock.org

Dr. Joseph O'Donnell, employer, C. Everett Koop Institute  
- joseph.f.odonnell@dartmouth.edu

COLLEGE &  
EXTRA  
ACTIVITIES

Undergraduate researcher at DHMC in immunology  
Ethnographic research in Spain for Anthropology Department - tenor  
William J. Culp Administrative Intern for C. Everett Koop, former Surgeon General  
Dartmouth Emergency Medical Service - Emergency Medical Technician  
Dartmouth Glee Club - tenor  
X.adó a cappella - business pitch (president and treasurer) and baritone  
Dartmouth water polo team