

# David T. Mozzoni

WEB DEVELOPER · PHYSICIST

Warwick, RI

☎ (401) 226-6370 | ✉ zcyric@gmail.com | 🏠 dmozzoni.github.io/Portfolio/ | 📱 dmozzoni | 🌐 david-mozzoni

## Education

### General Assembly

STUDENT IN WEB DEVELOPMENT IMMERSIVE PROGRAM

Providence, RI

Nov. 2016 - Feb. 2017

- An intensive program that introduced me to such web technologies as: HTML5, CSS3, Javascript, Ruby, Rails, AngularJS, Node.js, React, the MEAN Stack and others.
- Example projects created during the program:
  - **Butterflies of RI Quiz** – A trivia style game to test your ability to identify the butterflies of Rhode Island. Developed using HTML5/CSS3/Javascript. (*Web App / Github*)
  - **Butterflying Lifelist** – This is a management tool to keep track of all the butterflies you have seen. Developed using Ruby on Rails. (*Web App / Github*)
  - **nonoGrids** – This is a React implementation of the nonogram puzzle game. Developed using React and Node.js. (*Web App / Github*)

### Florida State University

PHD, MS, BS IN PHYSICS & BS IN MATHEMATICS

Tallahassee, FL

2007

- Geomagnetic Field Modelling – Studied at NCAR and GFZ.
- **Dissertation:** “The Changing Geomagnetic Field from the Ionosphere to the Core-Mantle Boundary”, Florida State University, Department of Physics, 2007. [http://purl.flvc.org/fsu/fd/FSU\\_migr\\_etd-2213](http://purl.flvc.org/fsu/fd/FSU_migr_etd-2213)

## Skills

<b>Web</b>	HTML5, CSS, Rails, AngularJS, MEAN, React
<b>Programming</b>	Javascript, Fortran, Ruby, LaTeX, IDL
<b>Certifications</b>	CompTIA A+ (220-901, 220-902)

## Experience

### Dean's List Academy

VOLUNTEER

Pawtucket, RI

Oct. 2013 - Nov. 2016

- Manage Donation Center and Fabric Store to support organizational programs as well as providing IT assistance.

### Florida State University, Geophysical Fluid Dynamics Institute

POST-DOCTORAL RESEARCH ASSOCIATE

Tallahassee, FL

Jun. 2009 - Jul. 2013

- Geomagnetic Field Modeling, Data analysis, programming mainly in Fortran and IDL.
- NASA Grants:
  - “Integration of MGS MAG and ER Data Sets: Producing a Substantially Improved Crustal Magnetic Field Model of Mars” (Proposal Number: 4200342225 – Grant Number: NNX10AL23G)
  - “Determining the Direction of the Axis of a Spinning Spacecraft in LEO from Geomagnetic Observations” (Proposal Number: 4200292923 – Grant Number: NNX09AI78G)

### GeoForschungsZentrum-Potsdam

GRADUATE STUDENT POSITION

Potsdam, Germany

Feb. 2006 - Feb. 2008

- Geomagnetic Field Modeling, Data analysis, programming mainly in Fortran and IDL.
- Journal Papers and Conference Presentations.

### Florida State University, Geophysical Fluid Dynamics Institute

GRADUATE ASSISTANT

Tallahassee, FL

Sep. 1999 - Jan. 2006

- NASA Earth System Science (ESS) Fellowship (R-ESSF/03-0000-0086, NGT5-30454)  
“Evaluating Sources of the Geomagnetic Field by Global Modeling: Core, Crust, Ionosphere and Ocean”

### Electric Boat, Division of General Dynamics

SUMMER INTERN PROGRAM

Groton, CT

Jun. - Aug. 1997 - 1999

- A summer internship for three consecutive years. Vibration analysis of submarine components, and Fortran source code validation.

### Florida State University, Martech – Helium Atom Scattering Group

STUDENT ASSISTANT (PART-TIME, DURING SCHOOL TERM)

Tallahassee, FL

May. 1997 - Dec. 1997

- Developed Origin and C++ Builder applications to analyze Helium Atom Scattering data.