

David T. Mozzoni

WEB DEVELOPER · PHYSICIST

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Education

Florida State University

Tallahassee, FL

PHD, MS, BS IN PHYSICS & BS IN MATHEMATICS

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/fdu/fdu_migr_etd-2213

Skills

Web HTML5, CSS, Rails, AngularJS, MEAN, React

Programming Javascript, Fortran, Ruby, LaTeX, IDL

Certifications CompTIA A+ (220-901, 220-902)

Experience

General Assembly

Providence, RI

STUDENT

Nov. 2016 - Feb. 2017

- A Web Development Immersive taught by General Assembly and funded by the State of RI.

Dean's List Academy

Pawtucket, RI

VOLUNTEER

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

Tallahassee, FL

POST-DOCTORAL RESEARCH ASSOCIATE

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

Potsdam, Germany

GRADUATE STUDENT POSITION

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

Tallahassee, FL

GRADUATE ASSISTANT

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

Groton, CT

SUMMER INTERN PROGRAM

Jun. - Aug. 1997 - 1999

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

Florida State University, Geophysical Fluid Dynamics Institute

Tallahassee, FL

STUDENT ASSISTANT (PART-TIME, DURING SCHOOL TERM)

Jan. 1998 - Apr. 1999

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

Florida State University, Martech – Helium Atom Scattering Group

Tallahassee, FL

STUDENT ASSISTANT (PART-TIME, DURING SCHOOL TERM)

May. 1997 - Dec. 1997

- Developed Origin and C++ Builder applications to analyze Helium atom scattering data.