

Christopher D. Ramos

FREELANCE WEB DEVELOPER AND TROUBLESHOOTER

Burlington, Vermont, United States of America

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“Peace through knowledge.”

Experience

freelance

various

WEBSITE DEVELOPER AND COMPUTER TROUBLESHOOTER

2013 — Present

- Troubleshooting client requests for computer, network, and other associated problems.
- Designing and developing websites for local small businesses and individuals.
- Interfacing with domain hosts and registrars, integrating with *Google and Bing*, and maintaining online services.
- Making a point of protecting client data with such technologies as (open) SSH and rsync; and adhering to non-disclosure agreements.

Bright Street House Co-op, Inc.

Burlington, VT

FINANCE COMMITTEE INFORMATION OFFICER

Jan. 2018 — Present

- Taking minutes and managing hardware.
- Digitizing financial documents and auditing expenses.

Burlington, VT

UNDERSECRETARY

Jan. 2017 — Jan. 2018

- Executed corporate governance obligations as a member of the first board of directors.
- Addressed security concerns via successful proposal.
- In the capacity of undersecretary, created and maintained a repository of data of mixed sensitivity for a new corporate entity using *Microsoft* and *Google* products.

Mississippi State University

remote

CONTRACT RESEARCH ASSISTANT

Feb. 2014 — May 2014

- Built upon research conducted at Mississippi State for master's thesis by expanding and maturing the compilation catalog of astronomical data that was the core product of this work. This catalog comprises astrometric, photometric, taxonomic, onomastic, and other pertinent data for nearly a thousand ultracool dwarf stars, brown dwarfs, and planets within 25 parsecs of the Solar System.

Starkville, MS

GRADUATE RESEARCH ASSISTANT (PART-TIME) WITH DEPARTMENT OF PHYSICS AND ASTRONOMY

Aug. 2011 — Dec. 2012

- Worked towards the development of a compilation catalog of ultracool dwarfs within twenty-five parsecs of the Sun, resulting in a master's thesis.
- Queried and parsed disparate astronomical databases and the literature in order to extract a global understanding of progress in the field of brown dwarf astronomy/astrophysics.
- Employed software such as MS Excel to construct said catalog, extracting numerous informative tables whilst tracking data authorship; MATLAB to generate plots; Scrivener to write and organize the written work; and \LaTeX to bring it all together.

LABORATORY INSTRUCTOR

Jan. 2011 — Jul. 2011

- Worked as a physics laboratory instructor, conducting three sections per semester with a focus on classical mechanics and simple optics.
- Fostered an intimate educational experience by actively encouraging questioning and by working with students on a group-by-group basis.

PHYSICS TUTOR

Aug. 2009 — Dec. 2012

- Tutored undergraduate students, individually and in groups, in physics topics such as classical mechanics, optics, and electromagnetism at Mississippi State University's Learning Center.

Northern Arizona University

Flagstaff, AZ

GRADUATE RESEARCH ASSISTANT

Aug. 2007 — May 2009

- Worked on a multidisciplinary research project focused on methanol synthesis, resulting in a master's thesis and the publication of a refereed article in *energy & fuels* from ACS Publications.
- Funded by the Northern Arizona University TRIF program for Environmental Research, Development and Education for the New Economy; and partnered with Mogollon Brewing Company and Arizona High Spirits Distillery.

PHYSICS LABORATORY INSTRUCTOR

Aug. 2007 — May 2009

- Worked as a physics laboratory instructor, conducting three sections per semester with a focus on classical mechanics.
- Fostered an intimate educational experience by actively encouraging questioning and by working with students on a group-by-group basis.

Qualifications

TECHNICAL WRITING

- Strong research and writing skills honed through two master's theses.
- Published an article in the peer-reviewed journal *energy & fuels*.¹

PROGRAMMING

- Github repositories
 - <https://github.com/paxperscientiam/baphomet> (bash)
 - <https://github.com/paxperscientiam/rgb2true> (bash)
 - <https://github.com/paxperscientiam/piece-of-site> (PHP)

Programming languages

- Most experienced with bash (Unix shell) and PHP
- Some experience with HTML, JavaScript/jQuery, and CSS/SASS
- Dabbled in Swift

Website development tools

- Most experienced with emacs, git, GitHub
- Some experience with yarnjs, npm, composer

Desktop applications & Miscellany

- Inkscape, Microsoft Excel
- Typing speed of 70 WPM

¹<http://bit.ly/DRA-EA-methanol>