# CHRISTIAN CALILUNG

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Aspiring developer interested in algorithm development, data architecture and analysis. Has diverse educational and career experiences spanning food and industrial science, clinical research, and data management. Adept at applying complex concepts to real-world challenges.

## TECHNICAL SKILLS

HTML5, CSS3, Bootstrap, JavaScript, JQuery, GitHub, MySQL, Firebase, Amazon Web Services (elastic cloud compute, simple storage service, relational database service), AJAX, JSON, Command-Line Interface (CLI)

## RELEVANT EXPERIENCE

**Henry M. Jackson Foundation (HJF)**, Rockville, MD                                April 2017-present
*Project Coordinator, Defense and Veterans Center for Integrative Pain Management (DVCIPM)*
- Superuser and administrator for DVCIPM instance of Research Electronic Data Capture (REDCap)
    - Managed cloud server and MySQL database hosted on the AWS EC2 and RDS services respectively
    - Utilized CLI to install periodic REDCap updates; migrated server/database to on-premise systems managed by HJF IT department in May 2018
    - Maintain plugins/hooks to sustain key REDCap customizations crucial including clickable pain body map and Defense and Veterans Pain Rating Scale
- IT Administrator
    - Oversee DVCIPM's use of the G Suite, Vimeo, AWS, and GoDaddy platforms
    - Update content hosted on DVCIPM's website (dvcipm.org) using the ProcessWire CMS
    - Provide overview of data architecture and API used in the National Institutes of Health's PROMIS questionnaires to researchers/clinicians who are interested in utilizing computer-adaptive tests for patient reported outcome measures

**University of Maryland, College Park (UMD)**, College Park, MD                                October 2017-present
*Faculty Assistant, Maryland Institute for Applied Environmental Health*
- Part-time REDCap administrator for a UMD instance used to support a study on flu transmission among undergraduates living in on-campus housing
    - Manage API keys and assist researchers with API calls to export/import data
    - Perform periodic data queries on SQL database as requested by research team

## OTHER PROFESSIONAL EXPERIENCE

**Henry M. Jackson Foundation**, Rockville, MD                                Nov. 2015-April 2017
*Research/Project Assistant, Defense and Veterans Center for Integrative Pain Management (DVCIPM)*
- Consented subjects and recorded data for a study of biopsychosocial profiles in the perioperative period
- Communicated with state licensing boards for physicians, physician assistants, dentists, chiropractors, nurses, and physical therapists to clarify practice guidelines related to acupuncture

## EDUCATION

**George Washington University**, Candidate for Certificate - Coding Bootcamp                                May 2018 to Oct. 2018
**Georgetown University**, Master of Science in Physiology (Special Master's Program)                                Aug. 2014 to Jul. 2015
**Boston College**, Bachelor of Science in Biochemistry, Minors in Math and Music                                Sept. 2007 to May 2011

## SKILLS, AWARDS

Proficiencies: Microsoft Office Suite, Google Drive Suite, Macintosh, Windows, Linux (Ubuntu), Slack
Awards: HJF Superior Performance Award (August 2016, September 2017)