JONATHAN GUIANG

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Personal Website: www.jonathanguiang.com **| LinkedIn:** linkedin.com/in/jonathanguiang **| Github:** https://github.com/jkguiang

Contact

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Skills

Technology:
- Programming Languages: Python (experienced), C++ (intermediate), Javascript (intermediate), Matlab (basic)
- Web Development: PHP, HTML, CSS
- Tools: Photoshop, OpenSCAD, Microsoft Office Suite, Docker
- Miscellaneous: Vim, Git, Bash, LaTeX

Interpersonal:
- Collaborated with others in various situations: research, clubs, volunteer work
- Adept at communicating with co-workers and strangers alike
- Experienced in giving and following directions

Experience

Campagnari Group (UCSB)
Performed and practiced analysis on data from the CMS detector in the LHC as part of the CMS Collaboration. Attended, scheduled, and presented at many meetings with PhD physicists and graduate and undergraduate students around the world in order to coordinate efforts, or demonstrate progress, on various projects.
AutoDQM (Aug. 2017 – Present)
  Design and implementation of a statistical tool for data quality management with an online graphical interface for ease of use. Collaboration with another student in Switzerland to further improve the platform and market it to other research groups.
MilliQan (Dec. 2017 - Jun. 2018)
  Characterized single-photoelectron response of photomultiplier tubes used in the "MilliQan" experiment demonstrator under the direction of a graduate student, working closely with another undergraduate.

Position: Undergraduate Researcher
Principle Investigator: Claudio Campagnari
Employment Type:
1. Volunteer
2. Full-time
Duration:
(1.) Dec. 2016 – Jun. 2018
(2.) Jun. 2018 – Present

Pramantha Solutions
Designed intuitive user interfaces for proof of concept images used in professional presentations and prototype applications.

Position: Consultant
Supervisor: John Sanders
Employment Type: Project Based
Duration: Aug. 2016 – Dec. 2016

XCom Global
Processed returned inventory, packaged devices to be shipped, and tested product for quality assurance. Made frequent use of Excel.

Position: Shipping Clerk
Supervisor: Shushi Shiraga
Employment Type: Part-time
Duration: Jun. 2016 – Sept. 2016

Education

(Undergraduate) University of California Santa Barbara (2015 - 2019)
Major: Physics   **GPA**: 3.70 (Last updated – June 22, 2018)

(Secondary) Canyon Crest Academy (2011 - 2015)
GPA: 4.11 (Weighted), 3.94 (Non-weighted)   **ACT Score:** 33

Awards

Scholarships:
- San Diego JACL Scholarship

Honors:
- (UCSB) Dean's Honors (L&S)