

RHYAN F. FOO KUNE

1606 St. Clair Ave. • St. Paul, MN 55105 • (612) 839 3666 • rfookune@gmail.com

EDUCATION

Macalester College, St. Paul, MN

Bachelor of Arts earned: May 2015

Major: Physics, Minor: Computer Science, Mathematics

GPA: 3.5/4.0

Academic Grant: Kofi Annan International Scholarship

Relevant Coursework: Mechanics, Modern Physics, Laboratory Instrumentation, Science of Renewable Energy, Algorithm Design and Analysis, Object-Oriented Programming, Software Development, Theory of Computation, Internet Computing

WORK EXPERIENCE

Macalester College Summer Research Program, *Physics Research Assistant,*

Summer 2013, 2014

- Ultrafast Terahertz Spectroscopy technique adopted to study the properties of monolayer CVD graphene.
- Conducted an experiment with optics and a superconductive magnet in a femtosecond laser system.
- Critically analyzed the data collected and constructed a LabVIEW program which described the results.
- Assisted in the writing and editing process of a peer review paper.

DeWitt Wallace Library, Macalester College, *Student Manager,*

Sept. 2014 – May 2015

- Supervised student aides, managed workflows at central service desk as well as oversaw the management of the building.

Pro Five Engineering firm, Quatre Bornes, Mauritius, *Intern,*

July 2012 – Aug. 2012

- Assisted skilled electrical and mechanical engineers involved in construction projects.
- Edited official tender evaluation reports and attended construction meetings both off-site and on-site.

PROJECTS AND PUBLICATIONS

Article accepted for publication, *Co-authored,*

- J. N. Heyman, "Ultrafast THz Faraday Rotation in Graphene", *Journal of Applied Physics*, 2014 (arxiv.org/abs/1410.7499).

Projects

- **Bamboo Web Application** Feb. 2015
 - Web application which allows people to share their moments live.
 - HTML/CSS, NodeJS, SocketIO and MongoDB.
- **Bam Web Application** Sept. 2014 – Dec. 2014
 - Web application which allows people to keep track of social events around them.
 - HTML/CSS, AngularJS, NodeJS, MongoDB and Redis.
- **SafeWalk Android Application** Jan. 2014 – May 2014
 - Android application which allows Macalester students to securely request a walk.
 - HTML/CSS, Firebase and Java.

AWARDS, LEADERSHIP & ACTIVITIES

Winner of the Jean K. Archibald Award for Excellence in Library Service, *DeWitt Wallace Library,*

April 2015

- The award recognizes an employee who has consistently provided excellent customer service and served as a role model for other student employees.

Macathon 2015

Feb. 2015

- 24 hours programming contest organized by Macalester College.
- Designed and coded the Bamboo Web Application.

Macalester Badminton Club, *President,*

Jun. 2013 – Sept. 2014

- Organized weekly meetings, managed club finances, and coordinated special events.

Etoile Du Berger Children's shelter, Albion, Mauritius, *Childcare,*

July 2012 – Sept. 2012

- Volunteered weekly at a childcare center for underprivileged and marginalized youth.

SKILLS

Programming competency: HTML/CSS, JavaScript, NodeJS, AngularJS, Android, Python and Java.

Laboratory competency: Optics alignment, femtosecond laser, superconductive magnet, sputtering and spin coating technique.

Software: Adobe Photoshop, LabVIEW and Kaleidagraph.

Languages: Fluency in French and Mauritian Creole.