

Alexander Wong

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(703) 740-7178, wongak626@gmail.com

EDUCATION M.S. Biochemistry – Bioinformatics specialization May 2016
Georgetown University, Washington D.C.
Overall GPA - 3.64

B.S. Biochemistry – Chemistry minor May 2012
Virginia Tech, Blacksburg, VA
Overall GPA – 3.30

**RESEARCH/
WORK
EXPERIENCE** **ORISE Research Fellow** May 2016 – Present
F.D.A, Silver Spring, MD

- Help develop and maintain statistical framework (used linear mixed effect modeling) in R, for the drug exposure-response analysis of over 120 Thorough QT clinical trials.
- Assist in the reformatting of R package for open source use.

Graduate Student Intern January 2016 – May 2016
Innovation Center for Biomedical Informatics, Washington D.C.

- Helped with the identification of metabolite biomarkers in Type – I diabetic patients.
- Conduct statistical analysis of LC-MS, and clinical demographic data on diabetic patients using mixed linear modeling in R programming.

Math/Science Tutor April 2014 – August 2015
Huntington Learning Center, Fairfax VA

- Helped high school students prepare for SAT (math section), and complete AP Calculus/Physics/Chemistry homework.

SKILLS Proficient in: Python, R, SQL, HTML/XML, PHP
Frameworks/Tools: Flask, Git, MySQL, BASH shell
Systems: Mac OS X, Linux

PROJECTS Link to my projects on Github:
<https://github.com/wongak626>
In-Silico restriction digest tool – A Flask based web-framework that returns digested peptides from user-submitted protein.
Python-based blast database program – A python program

that allows users to run NCBI's BLAST tool from the command line and run protein-related queries on the results in a relational database.

**POSTERS/
CONFERENCES**

Wong, Alexander; Hosseini, Meisam; McAfee, Dustin C.; Li, Mike, Rekic, Dinko; Garnett, Christine; Strauss, David G.; Johannesen, Lars; Vicente, Jose; September 2016. *Exposure Response Framework for Thorough QT-Studies*. F.D.A Scientific Computing Days Conference

Wong, Alexander; Hosseini, Meisam; McAfee, Dustin C.; Li, Mike, Rekic, Dinko; Garnett, Christine; Strauss, David G.; Johannesen, Lars; Vicente, Jose; December 2016. *Exposure Response Framework for Thorough QT-Studies*. O.C.P Science Day Conference

**ORGANIZATION
ROLES**

Webmaster with Chinese American Society at Virginia Tech
August 2011 – May 2012