

# Michael Penhallegon

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## Summary:

Recent college graduate with a focus on computer science. Has a diverse skill-sets from technology driven, application development and data analytics, to mentorship and organizing. Has utilized mixtures of skill-sets to develop projects utilized to transition to a database to maintain contacts, analytically investigate health disparities and most recently, process clinical trial data

- 7-years of experience with Python and advanced knowledge of R, Java and SQL
- Emerging health researcher, utilizing cross-disciplinary skills to analyze problems and implement solutions
- Developed skills in understand and designing solution to wrangle and process fragmented data

## Professional Experience:

### Juno Therapeutics

Seattle, WA

Research Associate

August 2018-Present

- Designed, tested and implemented an R package to process and format clinical trial flow cytometry data into a set standard for ingestion into a LabKey server and biometric analysis
- normalized and matched complex/fragmented clinical data points utilizing Python and SQL
- Assessed and developed a plan for addressing data processing issues. Refactored and integrated code into a functional coding style. Documented and developed tests for code as needed.

### Fred Hutchinson Cancer Research Center

Seattle, WA

Research Intern, HIV Vaccine Trial Network Core Lab

April 2018-June 2018

- Completed thorough literature review and prepared results for publication in an academic journal.
- Contributed to a qualitative research project investigating HIV/AIDS stigma among HIV+ and HIV- men
- Refactored and published an R library, to linearly interpolate Census-data to generate health metric values.

Summer Research Intern

June 2017-August 2017

- Developed a project in analyzing connections, using R, Python and Tableau, between home value and health disparities in African-American neighborhoods using public census and health data.
- Contributed to a research project to analyze improving retention of minorities in medical trials.

### The Evergreen State College

Olympia, WA

Quasr Tutor

September 2017-June 2018

- Tutored mathematics up to differential calculus, discrete mathematics, programming and digital logic
- Learned and used equity-minded pedagogy to tutor and engage students in using quantitative skill sets

Outreach and Retention Advisor, TRiO Student Success

June 2016-June 2018

- Advised and mentored first-generation/low-income students in navigating college and achieving success.
- Provided one-on-one scholarship and resume writing support.

- Served as a teaching assistant for classes; Organized workshops for internships and scholarships
- Assisted linking college administration to students through development of job descriptions, running VP candidate student forums and recruitment of students to college committees

#### **New Student Orientation Leader**

**June 2017-September 2017**

- Engaged, advised and mentored new undergraduate students during orientation week.
- Lead and help organize orientation planning and logistics

#### **Stonewall Youth, Olympia, WA**

**Olympia, WA**

#### **Programming Coordinator**

**October 2015-June 2016**

- Developed programming for at-risk LGBTQ youth; Helped maintain drop-in hours for participants
- Developed backup plan; edited and maintained WordPress site including backup and software updates
- Utilized Python and R to clean and restore both participant and donor data. Normalized data from legacy systems.

#### **Peninsula College**

**Port Angeles, WA**

#### **Office Assistant, Longhouse Diversity Services**

**February 2014-June 2014**

- Coordinated event management for two large campus-wide events
- Maintained, updated and transitioned tribal contact database from Microsoft Excel to Access

#### **Amazon.com**

**Kennewick, WA**

#### **Customer Service Associate III—Kindle**

**June 2009-November 2011**

- Provided replacement and warranty service while resolving software and hardware problems.
- Provided thorough technical support for customers utilizing multiple different computer platforms
- Met and regularly exceeded metrics of quality for call times and customer service
- Filed feedback and bug reports, utilizing JIRA, and kept customers informed of updates as needed.
- Developed internal team tools using HTML/CSS and Javascript to streamline customer service workflows

### **Education:**

#### **The Evergreen State College**

**September 2015-June 2018**

Bachelor of Art, emphasis in Computer Science and Public Health Studies

### **Volunteer Experience:**

**Nomenus**, Active Member, June 2009-Present

**The Evergreen State College Provost Search Committee**, Member, September 2016-January 2017

**President's Student Advisory Committee**, December 2015-present

### **Skills:**

**General:** 65 wpm, interpersonal skills, customer service, and consensus decision-making. **Computing:** Microsoft Office (Word, Excel, PowerPoint, Access, Outlook), Tableau. Mac, Windows, and Linux desktop environments.

**Programming and Software Development:** Python, R, Java, HTML, PostgreSQL, Mariadb, jQuery, git, Trac, test-driven development (TDD)

### **Professional Memberships:**

Association for Computing Machinery 2014-present, Member

American Public Health Association, 2017-present, Student Member