

Phil McNamara

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[linkedin.com/in/phil-mcnamara](https://www.linkedin.com/in/phil-mcnamara)

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Skills

Programming

Python

Java

R + Tidyverse

Bash

Software

UNIX Systems

PostgreSQL

Git Version Control

Jupyter Notebook

Bioinformatics

Genome/Transcriptome Assembly

RNA-seq Differential Expression Analysis

Phylogenetic Tree Construction

Machine Learning Image Analysis

Education

University of Oregon

June 2018 – Present

Master of Science, Bioinformatics and Genomics Program, Elective coursework in Computer Science

University of Washington

September 2011 – March 2015

Bachelor of Science in Molecular, Cellular, and Developmental Biology, Minor in Spanish

Experience

Graduate Student Collaborator, Omics Data Automation

September 2018 – Present

- Trained a neural network to identify tumor cells in scanned images of stained pathology slides
- Cleaned and standardized the electronic health records of 5,000 oncology patients and built a PostgreSQL database to facilitate data exploration

Clinical Research Coordinator, Seattle Cancer Care Alliance

March 2015 – June 2018

- Worked closely with medical oncologists to successfully complete Phase 1 clinical trials in solid tumors and hematologic malignancies
- Extracted medical data to characterize and report adverse events and drug toxicities, ensuring accurate and timely reporting to industry sponsors and the FDA
- Educated patients about their participation in a clinical trial and answered their questions during informed consent
- Promoted from Research Assistant to Data Coordinator in November 2015, and from Data Coordinator to Research Coordinator in June 2017

Student Research Assistant, University of Washington

September 2014 – March 2015

- Designed and executed glucose-stimulated insulin secretion experiments investigating Type 2 diabetes with an *in vitro* mouse model
- Delivered oral presentation at 2015 UW Undergraduate Research Symposium - "*Insulin Release is Mediated by Paracrine Factors Released from Islet Endothelial Cells*"

Activities

Volunteer, Low Income Housing Institute

April 2016 – March 2017

- Maintained facilities and supported permanent staff at Urban Rest Stop, a free laundromat with showers available for Seattle's homeless population

Volunteer, Sea Mar Community Care Center

January 2015 – June 2015

- Organized entertainment and activities for seniors at Sea Mar's bilingual skilled nursing facility