

Aileen Novero

774.313.0992

novero.a@husky.neu.edu

Cambridge, MA

LinkedIn : <https://www.linkedin.com/in/aileen-novero-7a8146> GitHub : <https://github.com/noveroa/>

EDUCATION

NORTHEASTERN UNIVERSITY, Seattle, WA

2016

Master of Science, Computer Science

Fundamentals of Programming; Discrete Structures of Mathematics; Program Design Paradigms; Database Management Systems; Algorithms; Computer Systems; Machine Learning; Co-Operative; Independent Project/Research Course (current)

HARVARD UNIVERSITY, Extension School, Boston, MA

2012

Biochemistry, Pathophysiology, Psychology

GPA 4.0

SMITH COLLEGE, Northampton, MA

2009

BA, Classical Studies, Minor, Chemistry, *Summa Cum Laude*

GPA 3.97

COMPUTER SKILLS

Systems	OS	Windows	Linux				
Languages	Python	Scheme	MySQL	JavaScript	C	SQLite	
Software	MicrosoftOffice Suite	Access	Excel	RedCap	Rave	Oracle	ScikitLearn
	Matlab	Matplotlib	Emacs	Git	Anaconda	Flask	Eclipse
	Jupyter	Subversion	UGE	rdKit	BitBucket	Pandas	AmazonWebServices

PROJECTS/INTERNSHIPS

Novartis, NIBR, Cambridge, MA

2016

Data-Analyst/Software Engineer, IS-Sigma: ChemInformatics

- Machine Learning as related to chemical compound/drug-discovery (Python, ScikitLearn, Theanos, Lasagne)
- Parse and Analyze, Datamine legacy and current Datasets, build upon existing frameworks (Python, DataFrames)
- Virtual Enumeration/Combinatorics: Optimize Combinatoric Outcomes by use of greedy algorithm and scoring
- Pending*: OpenSource Contributions, PublishedPapers, Published Posters.

Academic: Databases:

- Lead member to create **SQL/Oracle** health database to query health/history, symptoms information.

Academic: Program Design Paradigms:

- Pair Programming (2 different teams), Scheme, Algorithm and Coding coursework

Independent Masters Project: Flask Python Database

- Independently build Python, SQL relational database to analyze scientific abstracts, host public website via Flask, AWS

PROFESSIONAL EXPERIENCE

Private Tutor, Sylvan Learning Center of Seattle

2015

Coding, Robotics, SATprep, MathEdge, AcademicReading

- Instructed and Led Coding/Robotics courses to classes up to 8 students (LegoWeDo/Tynker)

Clinical Research Coordinator II / Monitor, Boston, MA

2013 - 2014

Massachusetts General Hospital Cancer Center Protocol Office - Multi Center

- Maintained electronic regulatory Trial Master File and Site Specific Files per federal compliance
- Collected, recorded and interpreted clinical data
- Developed, designed and reviewed electronic data capture applications.
- Created multi-center cancer-related experimental drug protocols and trained staff on usage.
- Served as key liaison between FDA, participating Pharmaceutical companies, and institutional review boards.

Clinical Research Assistant II, Boston, MA

2012 - 2013

Beth Israel Deaconess Medical Center, Gastroenterology

- Performed electronic and paper medical record reviews for clinical trial data collection.
- Digitized record data to streamline review process.
- Standardized protocols for long-term clinical trials and routine group tasks.
- Synthesized and maintained databases for research trials and targeted patient populations.

Clinical Research Assistant II , Boston, MA

2010 - 2012

Beth Israel Deaconess Medical Center, Anesthesia

- Developed and maintained technical respiratory recording equipment, software and hardware
- Created and computer-synched electronic recording devices for research trials.
- Collected, entered, analyzed, and interpreted data [20+ year respiratory database].

SELECTED ACHIEVEMENTS

- Accepted to prestigious Phi Beta Kappa Zeta Society at Smith College
- Received Organic Chemistry Society Organic Chemistry Award and CRC Physical Chemistry Award.
- Co-authored six published medical research articles with team presented at three professional conferences.
- Monitored, updated, translated complex medical databases, ensuring federal/institutional compliance

