

Ramya Tammisetti

360 Auburn Way, Apt 2
San Jose, CA 95129
(508) 579-1560
ramya.tammisetti@gmail.com

EXPERIENCE

eClinicalWorks, Westborough, MA — Project Manager

March 2022 - December 2022

- Advised clients on best eCW solutions based on multiple factors, including size, specialty, and number of staff
- Regular check-in calls to keep clients updated on implementation progress and receive feedback for the rest of the team
- Managed and prioritized schedules for Billing, Data Migration, Interfaces, SAM, and Training teams to keep projects on schedule
- Attended regular training meetings to learn new product updates and implementation processes to make sure clients had the latest information

eClinicalWorks, Westborough, MA — Software Training Specialist

November 2019 - March 2022

- Coordinated with Project Manager, SAM, Billing Specialists, and client to determine best training option
- Trained 100s of clients on eCW product (EMR system), adapting training schedule to the practice/providers as needed, and supported them through first few days of use
- Attended regular trainings to learn new modules and to keep knowledge of product up to date

eClinicalWorks, Westborough, MA — Analytics Intern

May 2017 - August 2017

- Researched the symptoms of multiple chronic conditions and correlated each with a set of medical tests
- Consolidated all information into two Postgres databases for easy lookup and connection for the consumer
- Developed a program written in R to upload information and link the databases together

American Red Cross, Dedham, MA — Lab Technician

January 2015 - July 2015

- Prepared reagents used in lab experiments that tested for blood/plasma type, then extracted DNA to identify a specific antigen found in DNA
- Performed maintenance on lab equipment and machines as well as general office work

Beth Israel Deaconess Medical Center, Boston, MA — Research Assistant

January 2014 - July 2014

- Worked with doctors to research circadian rhythms and sleep deprivation – used electrode tests to get quantifiable measurements and mental stimulation tests for qualitative measurements.
- Positive interaction with participants was encouraged so that data collected would not be negatively affected by participant's mood

LinkedIn:

<https://www.linkedin.com/in/ramya-tammisetti/>

EDUCATION

University of Massachusetts Amherst, Amherst, MA — Masters in Computer Science

September 2016 - February 2019

Northeastern University, Boston — Bachelor of Science in Biology

September 2011 - September 2015

SKILLS

Python[numpy, pandas], Java, SQL (Postgres), Microsoft Office, Scheme, Maple, Wolfram Mathematica, Unix, Git, Tableau

AWARDS

National Merit Scholarship – National Merit Finalist, full tuition scholarship to NEU (2011-2015)

Smith College Book Award – given to girls with high academic and personal accomplishments (2010)

PROJECTS

Chronic Risk Assessment — *eClinicalWorks Analytic Internship Project*

The goal of the project is to assign more specific risk assessments to chronic conditions. My part of the project was to identify and link medical tests to chronic conditions. For each chronic condition, the symptoms and related medical tests would be researched and ranked by relevance. Extra information on each test (i.e. type, purpose) was also embedded into this database. Another database dealt with each test and its appropriate range of results. Both of these databases were linked using R so that all relevant information about a specific test or a medical condition could be easily accessed.

Meaningful Use Test Case — *eClinicalWorks Project*

The goal of this project was to write test cases that would later be converted to script. The test cases were based off of the criteria outlined in eQMs (Electronic Clinical Quality Measures). Each measure had a different set of criteria, and test cases would be written in one of three formats (mobiledoc, flat-table, and hybrid).

Data Type Mismatch — *eClinicalWorks Project*

The goal of this project was to work with both front end and back end users of the product to improve the user interface. In the EMR system, there are multiple ways to interact and document findings. Each type of field needed to be isolated to make sure that it does not accept erroneous input (i.e. a field to document an appointment date should be filled with mm/dd/yyyy and should not take any text input).

Key Clinical Workflow — *eClinicalWorks Project*

The goal of this project was to create a formal documentation on the eClinicalWorks product. For every user interface possible in the system, the requirements and sub-requirements for each field were tested and documented. The aim of the project was to identify areas where the system could be improved or made more efficient while creating documentation on the current product.

SQOO — *eClinicalWorks Project*

The goal of this project was to identify and close JIRAs that have already been addressed. Many JIRAs overlap, and the aim of the project was to close duplicate cases and complete functional testing to verify that a JIRA could be closed. The end result should be a clean list of JIRA cases that still need to be worked on, which increases the efficiency of the team.

SimFix — *Replication Study*

Used Java and command line to replicate the results of an automated program-repair algorithm. The program and database used were both open source and are available on github. Research was done on different program repair techniques in an effort to improve the program and a paper was written on the final results.

Reading Comprehension — *NLP*

Used Python to create a reading comprehension model using NLP for a final project. Used bag-of-words method as the baseline and showed progress through creating more complicated models like word-distance benchmarks and calculating sentence similarity. MS Excel was used as a reporting tool when presenting the results of the project - various graphs were created to show the difference in comprehension when using different models.

Statistical Analysis

Census: Used Python to interact with a csv file that contained census data. Python package pandas was used to import and organize the data provided. Numpy was used to calculate averages and analyze the central tendency of the data. Scipy.stats was used to run statistical tests on the data to try to find correlations between groups of people.

Publications/Authors: Both tools are from The Sleuth Kit. They are file system parsers specifically for FAT16 file systems. fsstat outputs the file statistics and istat gives information on a specific inode of the file system.

Digital Forensics

During the course of this topic, we covered methods of retrieving and examining files for forensic study. I implemented several command line tools. Two of the mini-projects are detailed below.

Hexdump: a command line tool that outputs the bytes of any input file in hex/octal/char form for visual inspection. This tool was later used in Digital Forensics to determine if a file was corrupted or to inspect valid character sequences (signatures) of certain file formats (e.g. jpeg).

TSK fsstat/TSK istat: Both tools are from The Sleuth Kit. They are file system parsers specifically for FAT16 file systems. fsstat outputs the file statistics and istat gives information on a specific inode of the file system.