Sailunsi Chen

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https://github.com/serrintine · http://serrintine.github.io

EXPERIENCE

Epic Systems Summer 2015
Software Development-Intern

- Developed a searching functionality for MyChart, a patient-facing health record application, on Android
- Wrote a business logic for searching in a C# library, making use of Damerau-Levenshtein edit distance to do fuzzy string matching on user queries
- Wrote web services for Android to communicate with the C# layer that sits on top of the database of health records
- Worked with Android fragments and adhered to Google's material design principles to create a smooth and intuitive user interface

Epic Systems Summer 2014
Software Development-Intern

- Wrote SQL queries and procedures in Microsoft SQL Server to organize and extract over 20GB of user action data
- Used SAP HANA in-memory database and SAP business analytics tools to model user action data to find inefficiencies in user workflow
- Used R to analyze and model user action data; modeling techniques include Bayesian model averaging, neural networks, and cluster analysis
- Used R to develop a web application to facilitate easier modeling for Epic's optimization team

University of Maryland Fall 2014
Teaching Assistant, ENEE459C: Computer Security

- Designed and wrote solutions to homework problems and exam questions on one-time pad, buffer overflow, DES and AES encryption, RSA and ElGamal cryptosystems, hashing (SHA, Merkle tree) and rainbow tables, message authentication, and elementary number theory
- Maintained class website oh GitHub, including editing and uploading lecture slides and homework files
- Maintained a server for homework problems that involved exploiting bugs in old versions of Ubuntu
- Held office hours and review sessions for homework and exams; graded homework problems

EDUCATION

University of Maryland
Mathematics and Computer Science, B.S.
Expected graduation: May 2016
Cumulative GPA: 3.75/4.00

Current coursework
CMSC412 - Operating Systems
CMSC460 - Computational Methods
STAT600 - Probability Theory I

Previous coursework
Cryptology, Data Science I, Data Structures, Database Design, Computer and Network Security, Algorithms, Discrete Structures, Introduction to Probability Theory, Introduction to Statistics, Sampling Theory

SKILLS

Coding
Java (7+ years),
C, Python,
HTML, CSS,
SQL, LaTeX

Languages
English (native)
Chinese (native)
Japanese (limited)
French (limited)

Brief experience
Ruby, JavaScript.
C#, OCaml,
MATLAB, R/SAS

Environments
Windows
UNIX
Linux

ACTIVITIES

Gamer Symphony Orchestra
2012 – Present
Concertmaster

Association for Women in Computing
2012 – Present