

Anna Poon

Github: anna138
anna1878@gmail.com

(510) 862-9598

Education:

B.S. Computer Science

California State University, Bakersfield

Graduated: December 2019, **Summa Cum Laude**

GPA: 3.94

B.A. Political Science - Public Law

University of California, San Diego

Graduated: June 2012, GPA: 3.15

Skills and Qualifications:

- Displays strong analytical, investigative, and critical thinking skills, strong attention to detail, and diligent
- Programming:
 - Proficient: C/C++, Python, PostgreSQL, HTML/CSS
 - Familiar: Bash, Javascript, PHP, ReactJS
- Technical Tools: GNU Debugger, Git, VSCode, Anaconda, PyTorch, Tensorflow, GNUPlot, Scrum, Kanban, Windows, MacOS, Ubuntu / Linux, Adobe Photoshop/Illustrator, Microsoft Excel

Experience:

LLNL, GSCAD - Cybersecurity Software Developer

June 2020 – Present

- Implemented front and backend features for several software projects for cybersecurity, programming languages used are: Python, C++, Javascript, HTML/CSS, Reactjs
- Implemented and converted DB Design and DBMS from SQLite3 to MySQL
- Converted software to run in parallel for efficiency and performance
- Built webapp to visualize and provide data analytics from simulation data
- Implemented GNUplot graphs for NS3 simulated data
- Co-mentored four cybersecurity summer interns

LLNL, GSCAD - Cybersecurity Systems Analyst

November 2020 – Present

- Developing systems analysis work for critical infrastructures of our nation
- Technical reports on analysis from knowledge gathered
- Met with SME and collaborated to gather insight on systems

CSUB Teaching Assistant / Tutor

January 2019 – December 2019

- Teaching Assistant for Algorithms Analysis and Computer Architecture II for Spring 2019
- Tutor for CEECS Department, Assisting with topics from Introduction to OOP (C++) to Algorithms and upper division classes such as Artificial Intelligence, Computer Networks, Software Engineering, etc.

CSUB Research Assistant, Dr. Alberto Cruz

January 2018 – August 2019

- Implemented CNNs - AlexNet, ResNet, VGG to detect genuine smiles for depression evaluations with Tensorflow
- Received Student Research Support Scholarship; Competed in CSU Statewide Research Competition 2019
- Reviewed papers for IEEE International Conference on Tools with Artificial Intelligence (ICTAI) 2018
- **Result: Placed 1st in CSUB Research Poster Presentation, 2nd Place in CSUB Conference Presentation**

NSF Research Intern at USC, Dr. Mohammad Soleymani

June 2019 – August 2019

- Evaluated clinical diagnosis with self reported statistics from participants in AVEC Grand Challenge Dataset
- Worked on Unimodal Analysis using RNN-GRU and Neural Networks for Audio, Visual, and Language in PyTorch
- Created and delivered poster presentation at USC REU Symposium
- **Result: HCI International 2020 Publication - “Computer-Based PTSD Assessment in VR Exposure Therapy”**

NSF Research Intern at Cal Poly Pomona, Dr. Tingting Chen

June 2018 - December 2018

- Implemented C/C++ BGN Cryptosystem using GMP, PBC, LibSodium, OpenMP libraries; created and applied Fisher's Exact Statistical Algorithm, Tested and preprocessed Genomic Data using SAMtools
- Poster presentation at Cal Poly Pomona Research Symposium, USC REU Symposium, IEEE Conference 2018
- Participated as Official Editor for IEEE Transactions on Network and Service Management (TNSM) Journal 2019
- **Result: IEEE Big Data 2018 (First Author) - “Privacy Preserving Fisher’s Exact Test on Genomic Data”**

Sony Interactive Entertainment America, Financial Support Analyst August 2015 – November 2016

- Managed and monitored Protection Plan Program (PPP) and Service Payments for North America Region
- Analyzed and produced weekly financial reports for SIEA, SIEJ executives and specialized departments
- Facilitated Training/Shadowing for Third Party Partners; Prepared Technical Documentation
- Cross-Functionally collaborated as Payment SME with Business Analysts and Dev Team on Salesforce Projects
- Critical Quality Assurance Tester for Multiple Salesforce Developments throughout the year

Sony Interactive Entertainment America, Corporate Resolution Technical Specialist August 2014 – July 2015

- Managed and De-escalated consumers with Executive Escalations and Better Business Bureau Disputes
- Supervised Lower Tiered Agents and Administered Coaching Opportunities
- Conducted Installment of EchoPass Computer Telephony Integration Adapter; contributed on UAT for Salesforce
- Pioneered Special Projects: Corporate Cases Cleanup, PPP Cleanup, Translations for KC Audit

Projects:

Curse of the Undead - A Zombie Apocalypse Game December 2019

- A 2.5D Isometric Shooting Game made using OpenGL, C++ Language, and Xming Server
- Game Art is personally drawn using Adobe Photoshop
- **Role:** UI Components, Map Designs, Bullet Physics, HUD, and Special Effects / Animation.

OnGuard School Security App January 2019

- Developed a mobile app in one-day hackathon that allows users to report a campus issue or a crime
- Integrated several features of our app into official campus app from CSUB IT, which is used by 7,000 users daily
- Won First Place in CSUB Competition against 10 other student teams
- Competed in Nationals at Kurogo Conference 2019 against UCB and 7 other college and universities

Consumer Analytics and Database Reports Website June 2018

- Developed website allow users to pull company database reports for mock consumer analytics
- Engineered website to provide a solutions guidance system for technical agents while they chat and create tickets
- Implemented in HTML/CSS, Javascript and JQuery using PSQL and PHP

Additional Honors and Awards:

- Outstanding Senior in Computer Science for Department - Class of 2019
- CSUB 1st Place Winner Ideathon - Competed in Nationals at MIT Kurogo Conference - 2019

Publications:

Tavabi, Leili and Poon, Anna and Rizzo, Albert Skip and Soleymani, Mohammad "Computer-Based PTSD Assessment in VR Exposure Therapy" Human Computer Interaction International 2020 – Late Breaking Papers: Virtual and Augmented Reality, 2020 https://doi.org/10.1007/978-3-030-59990-4_32

Poon, Anna and Jankly, Steve and Chen, Tingting "Privacy Preserving Fisher's Exact Test on Genomic Data" 2018 IEEE International Conference on Big Data (Big Data), 2018 [10.1109/BigData.2018.8622575](https://doi.org/10.1109/BigData.2018.8622575)