Leonardo Straccia

(415) 335-5116 | leo_straccia@berkeley.edu | linkedin.com/in/leostraccia

EDUCATION

University of California, Berkeley — Dec 2023
Cumulative GPA: 3.80/4.00
Bachelor of Arts, Computer Science & Economics
Relevant Coursework: Programming Languages & Compilers, Database Systems, Computer Security, Data Science & Regression Models, Operating Systems, Digital Design, Computer Architecture, and Data Structures
Honors & Awards: Economics Honors Program, Dean's List

ONGOING RESEARCH

Digital Near-Memory Machine Learning (ML) Acceleration | Berkeley SLICE Lab — Oct 2023 – Present
- Research aims to accelerate ML while decreasing power consumption with added computing hardware
- Seeks to work around Von-Neumann bottleneck of memory access by moving computing closer to memory
- Requires implementing an extension of RISC-V assembly instructions and software stack to run ML workloads

PROJECTS

End-to-End File Sharing Encryption System (Golang) — May 2023
- Developed an encrypted file sharing system which allowed for file access, revocation, manipulation, and sharing
- Presented an initial design doc highlighting user and file data structures, and invitation/revocation protocols
- Performed iterations of fuzz testing and unauthorized data manipulation ensuring no unwanted data leakage

Gitlet Version-Control System (Java) — May 2022
- Engineered a GitHub-inspired version-control system processing add, commit, log, status, and merge commands
- Developed a tree-based data structure that employed SHA-1 encryption to serialize and store files in local drives
- Built a system which was capable of handling multiple file additions and removals with $O(1)$ run time efficiency
- Implemented additional remote directory access which supported file reading, writing, and directory merging

PROFESSIONAL EXPERIENCE

UBS | New York, NY — May 2023 – Aug 2023
Investment Banking Summer Analyst – Leveraged Finance
- Supported the deal team in issuing $1.8bn in loans for the refinancing of LBO debt of a large consumer company
  - Built detailed comparables of company debt structures to determine the client's appropriate leverage amount
  - Documented and summarized investor calls to convey the company's story through the syndication process
- Modeled forecasted debt paydowns of leveraged loans and bonds utilizing audited company financial statements
- Presented a detailed case study assessing the bank's risk appetite for a deal to senior mgmt through a committee
  - Utilized company reports and business analyses to defend assumptions for projected financial growth rates

Huntington National Bank | Denver, CO — May 2022 – Aug 2022
Commercial Banking Summer Analyst
- Audited $75mm in commercial real estate loans through both quantitative and qualitative annual reviews
- Presented efficiency initiative to senior leadership resulting in an estimated $900k in cost savings annually
- Performed periodic covenant testing on $100mm in loans to reevaluate credit worthiness of borrowers

LEADERSHIP AND EXTRACURRICULAR

SEO EDGE Career | New York, NY — Feb 2022 – Present
SEO EDGE Participant
- Receive coaching/instruction to achieve targeted interview, technical, and professional development goals
- Learn business fundamentals and technical skills to compete effectively for internship opportunities
- Complete industry-specific training focused on developing institutional knowledge and attention to detail

ADDITIONAL INFORMATION

Languages & Skills: Proficiency in Portuguese, Spanish, Italian; Python, Java, SQL, Golang, Verilog, and C++
Interests: Golfing, investing, learning new languages and cultures, piano, traveling, and skiing