

LINCOLN LI

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EDUCATION

University of Pennsylvania School of Engineering and Applied Science <i>Master of Computer and Information Technology, GPA 4.0/4.0</i> <ul style="list-style-type: none">• Core Coursework: Software Development, Discrete Mathematics, Computer Systems, Data Structures & Software Design, Algorithms & Computation, Artificial Intelligence, Big Data Analytics, Natural Language Processing	Philadelphia, PA May 2024
UCLA Anderson School of Management <i>M.B.A., Corporate Finance & Investment Management, GPA 3.9/4.0</i> <ul style="list-style-type: none">• Anderson MBA Honor Society; J. Fred Weston Award (Top 1 in Finance specialization); Dean's Scholar; Dean's List	Los Angeles, CA June 2018
Cornell University Weill Graduate School of Medical Sciences <i>Master of Science, Cell and Developmental Biology, GPA 3.9/4.0</i>	New York, NY January 2013
Nankai University <i>Bachelor of Science, Biological Sciences, GPA 90/100, top 1% in class</i>	Tianjin, China June 2010

TECHNICAL SKILLS

- **Programming Languages:** Java, Python, JavaScript, C, Kotlin, Ruby
- **Databases:** SQL, MongoDB, Neo4j
- **Data Analytics:** Pandas, NumPy, Apache Spark, Scikit-learn, PyTorch, advanced Excel modeling
- **Web Development:** React, Express, Flask, Node.js, HTML, CSS, Bootstrap, Tailwind CSS
- **Cloud:** AWS (Lambda, S3, RDS, EC2, EMR, Lex, Polly, QuickSight, SageMaker), Firebase

PROJECTS

Personal Website / <i>React, Tailwind CSS</i> / Demo GitHub <ul style="list-style-type: none">• Built a single-page web application for personal portfolio and experience demonstration• Designed and built styled React components to modularize and maintain code efficiency, promoting scalability and code reusability• Implemented responsive design principles, allowing the application to adapt gracefully to various screen sizes and orientations	September 2023
Stork / <i>React, Firebase, AWS S3, Tailwind CSS</i> / Demo GitHub <ul style="list-style-type: none">• Developed a serverless single-page web application for yard sales, allowing users to easily list and edit items, browse available items, and contact sellers, streamlining the process of organizing and participating in yard sales• Built a responsive frontend using React and Tailwind CSS, and created customized React components for visual consistency and optimal user experience across various devices• Implemented a serverless backend using AWS and Firebase, incorporating AWS S3, Firestore and Cloud Storage for scalable NoSQL cloud databases, and leveraging Firebase Authentication for user authentication and authorization	August 2023
AWS Resource Helper Bot / <i>AWS lambda, S3, Lex, Polly, CloudFront</i> <ul style="list-style-type: none">• Collaborated with Amazon BIE team and built a chatbot to manage AWS resources via text and voice commands, simplifying complex AWS configurations across diverse resource consoles• Developed and tested all AWS lambda functions to handle user requests through chat messages to execute a range of actions in AWS resource management, such as creating/deleting EC2 instances, S3 buckets and objects, etc.• Leveraged Amazon Lex natural language understanding and speech recognition to enhance user engagement and interaction within AWS ecosystem, and enabling users with visual impairments to efficiently manage AWS resources• Deployed the application using AWS S3 and CloudFront	July 2023
KidsFun <i>Express, Node.js, HTML, CSS, Bootstrap, MangoDB, Cloudinary</i> / Demo GitHub <ul style="list-style-type: none">• Built a web application using Express and Node.js to help parents search and share kid-friendly outdoor activities• Implemented user authentication and authorization functionality using Passport.js, allowing users to create accounts, post and edit activities, images, locations and reviews• Utilized HTML, CSS and Bootstrap to design and implement a responsive and visually appealing user interface• Integrated MongoDB as the database management system, ensuring efficient and scalable data storage and retrieval	September 2022
Philadelphia COVID Vaccination and Property Data Interface <i>Java, JUnit</i> GitHub <ul style="list-style-type: none">• Built a Java application that parses and analyzes COVID vaccination and property data in CSV and JSON formats	August 2022

- Developed a CSV parser using state machine and utilized N-tier architecture for data reading, processing, and UI
- Utilized GitHub for version control and collaborative development

MCIT Student Management System | *Java, JUnit, MySQL* March 2022

- Developed a CLI application using **Java** for UPenn MCIT students and faculty to manage course schedules, enrollments, course withdrawal, and grades reporting
- Implemented database with **MySQL** and applied test-driven development framework using **JUnit**

Lion King | *Java* | [GitHub](#) October 2021

- Designed and implemented a 2D tile-based game in **Java**, utilizing pseudorandom generation to create a dynamic and engaging gameplay experience
- Implemented various game mechanics, including player movement, enemy AI, collision detection, and scoring system, using object-oriented programming principles

WORK EXPERIENCE

Amazon.com Seattle, WA

Finance Manager, Business Analytics & Automation July 2018 – Present

- Implemented automated monthly financial planning, reporting and analysis processes via designing and optimizing complex **SQL** queries, **data models**, and **ETL** processes, resulted in savings of 5,000+ working hours annually across Finance and Accounting teams, and improved forecast accuracy from 85% to 99%
- Conducted supervised learning analysis with **Python**, **pandas**, and **SQL** to quantify the ROI of a \$600MM incentive initiative, leading to optimized strategies for motivating delivery partners in improving safety, delivery quality and reliability
- Built a web app using **Python** and **Flask** to extract competitor's wage rates from external job posting websites, reducing data collection time by 99%, and enabling proactive evaluation of capacity and wage risks
- Developed classification models, including KNN, random forests, and neural networks with **scikit-learn** and **PyTorch** to predict product substitutability, ranked top 3 among 30+ Data Scientists and SDEs in Amazon Machine Learning Contest
- Established uniform demand analytics model using **Python**, proposed and implemented a multi-pack distribution strategy, reducing distribution cost by 50% and improving customer experience metric by 45%
- Developed 50+ **AWS QuickSight** and **Tableau** dashboards, driving data democratization and empowering non-Finance teams to self-serve their financial and operational data needs
- Promoted from Senior Financial Analyst in 2022, consistently rated "Top Tier" (top 20%) in annual performance reviews, and received *Consumables Kudos* recognition for going above and beyond and contributing outside the scope of normal job duties

Ernst & Young Beijing, China

Senior Consultant, Transaction Advisory Services September 2015 – June 2016

- Provided financial and strategical advice across M&A transaction including due diligence and post-deal integration

PricewaterhouseCoopers Tianjin, China

Associate, Assurance October 2013 – September 2015

- Conducted financial analysis and internal control testing, ensuring accurate reporting of financial statements

ADDITIONAL

- *Certifications:* Applied Data Science (University of Michigan)
AWS Certified Cloud Practitioner
Android Development in Kotlin (CodePath)
CFA Charterholder (CFA Institute)
CPA (California Board of Accountancy)
FRM (Global Association of Risk Professionals)