ALIVIA GUIN

Lynnwood, WA | 716.431.9684 | [Gmail](#) | [LinkedIn](#) | [Github](#) | [PersonalPortfolio](#)

EDUCATION

Northeastern University, Seattle   Dec 2021
Master of Science in Computer Software Engineering   GPA: 3.92/4.0
Courses: Program Structure and Algorithms, Application Engineering Development, Web Development, Data Management and Database Design, Object Oriented Design, Data Science Engineering

West Bengal University of Technology, Kolkata, India   May 2013
Bachelor of Technology in Information Technology   GPA: 8.2/10

TECHNICAL SKILLS

- *Languages***:** Java, JavaScript, Python, Ruby, Swift, SQL
- *Web Technologies***:** HTML, CSS, ReactJS, AngularJS, REST, Ruby on Rails, Node.js, Express, JSON
- *Database Technologies***:** MySQL, MSSQL, MongoDB, DynamoDB
- *Others***:** XCode, Visual Studio, IIS, MVC, AWS, Linux, Eclipse, Git, Jira, Cloud Computing

WORK EXPERIENCE

Career Break (Full-time parenting)   Feb 2023 – Feb 2024
- Proactively worked on technical development skills by continuous learning via online courses and building applications

Tyemill LLC., Software Developer *(Ruby, Ruby on Rails, PostgreSQL, AWS, Heroku)*   May 2022 – Jan 2023
- Designed and developed end-to-end web applications using MVC framework of Ruby on Rails
- Emphasized on test-driven-development by using RSpec and replacing partials with ViewComponent
- Developed and hosted scripts on AWS EC2 to upload data files inside S3

Examity Inc., Full-Stack Developer Co-op *(Java, JavaScript, Angular, C#, Python, SQL)*   Jan 2021 – Jul 2021
- Responsible for end-end software stack development using Angular, Python and SQL
- Designed and developed Python REST APIs that connects to MS SQL database to perform various CRUD operations
- Worked on agile software development environment in CI/CD pipeline while constantly building new features

Bank of India, Data Analyst, Operations *(SQL)*   Jun 2015 – Feb 2018
- Worked on querying SQL to gain insights into banking data and analyzed performances on credit data of customers

INDEPENDENT PROJECTS

Kitty Weather App (AWS Lex, S3, Lambda, DynamoDB, API Gateway, CloudWatch, CDN). [Play](#)   Summer 2023
- Developed a chatbot using AWS Lex that fetches weather data for cats stored in DynamoDB through Lambda
- Served the website from S3 with the static assets cached inside CDN and enabled monitoring with CloudWatch

Tic-Tac-Toe Game (JavaScript, HTML, CSS) [Play](#)   Fall 2023
- Designed and developed using algorithmic logic for a tic-tac-toe game application.

Inventory Management App (JavaScript, React, REST, Express, HTML, CSS)   Spring 2024
- Developed React SPA for tracking items, user login and RESTful services for CRUD operation like add, delete, update.

ACADEMIC PROJECTS

Text Editor App (Java, Data Structures and Algorithms).   Spring 2024
- Implemented back-end functionalities like autocomplete words, flagging misspelled words and spelling autocorrect.

Drone Delivery Simulator (Java, Swing, Design Patterns)   Fall 2020
- Designed and developed drone-based package delivery simulator for moving packages within a delivery map area.
- Leveraged Design Patterns and implemented different algorithms to govern the drone movement and emit metrics.

Online Job Portal Database Systems (MS SQL, Power BI)   Summer 2020
- Implemented functionality checking for phone number formats and triggers to auto populate data into database.
- Generated visualization reports through views and using Power BI

Sentiment Analysis on Food Review (Python, NumPy, Pandas, scikit-learn)   Fall 2020
- Used Machine Learning to perform sentiment analysis and summarize 55000 dataset of Amazon food reviews

TRAINING AND CERTIFICATIONS

- Software Engineering Virtual Experience at JP Morgan & Chase   Summer 2020
- GCP Essential Training   Fall 2019
- Northeastern University Design Patterns Workshop   Summer 2020