TIANLE DONG

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Available: Aug. 2021 – Dec. 2021 / Jan. 2022 – Apr. 2022

EDUCATION

Northeastern University	**Boston, MA**
Khoury College of Computer Sciences	Sept. 2019 – Present
Master of Science in Computer Science	Expected Graduation: May 2022

Relative Course: Object-Oriented Design, Web Development, Algorithms, Intensive Foundations of Computer Science, Discrete Math and Data Structures, Database Management Systems, Fundamentals of Computer Networking & Computer System

Northeastern University	**Boston, MA**
Bachelor of Science in Leadership	May 2017 – May 2019
Honors/Awards: *summa cum laude & Dean's List*	

EXPERIENCE

PTC	**Boston, MA**
Incoming People Analytics Intern	Jun. 2021 – Aug. 2021

- Will be conducting data analysis and machine learning, using Excel, Python, and Visier to draw insights from the results

Northeastern University Information Technology Services	**Boston, MA**
Instructional Assistant	Aug. 2020 – Apr. 2021

- Assist professors with classroom technology and facilitate interactions with remote learners to ensure well-functioning classes
- Troubleshoot basic technical issues and communicate with A/V professionals for higher level needs

Technical Knowledge

Languages:	C, Java, JavaScript, Python, TypeScript, R, SQL
Software and Tools:	Git, GitHub, Junit, IntelliJ IDEA, PyCharm, VS Code
Database:	PostgreSQL, MySQL, MongoDB, SQLite
Web Technologies:	Angular, Ajax, Bootstrap4, CSS3, Django, Express.js, Flask, jQuery, Jinja2, Heroku, HTML5, Node.js, React.js, Redux, RESTful API, Spring Boot

Projects

CDN — Apr. 2021
- Used **Python** to implement a CDN that consists of a DNS server and an HTTP server redirects clients to the EC2 replica server which has the fastest response time and returns content requested by clients
- Followed the Zipf distribution to design an LRU cache in the HTTP server using a file system

EONET — Jan. 2021
- Created an Earth observatory natural event tracker web app with **React, Google Maps API** and **NASA EONET API**
- Fetches natural event data (wildfire, cyclone, volcano & iceberg) and displays it on Google Maps, allowing users to click the event icons to get detailed information

Trip Planner — Sept. 2020 – Dec. 2020
- Developed a full-stack trip planning web app using **MERN** stack with **Google Maps API** and **Google Place API**
- Allows users to browse tourist attractions, plan trips, share plans and view other users' plans. Administrators can manage users' account by deleting and editing plans

Gino's Pizza — Jul. 2020 – Aug. 2020
- Designed a full-stack pizza website that handles online orders using **Python Django** framework with **HTML5**, **Heroku**, **CSS3**, **JavaScript**, **PostgreSQL**, **Bootstrap4** and **Stripe API**
- Allows users to browse the menu, add items to the cart, and make a purchase. Owners are able to add and update dynamic menu items, view orders and change order status using Django Admin UI

Book Reviews — Jun. 2020
- Built a full-stack book review website using **Python Flask** framework, **HTML5**, **Heroku**, **Bootstrap4**, **CSS3**, **PostgreSQL** that pulls real-time data from **Open Library API**
- Supports user sign in, sign up, search, comment and able to view comments, ratings and make a GET request to access the local API among 5,000 books