# Claire Y. Yurev

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## SKILLS

✓ Languages: **Java** (advanced), **Python** (intermediate), **Dart** (prior experience), **R** (prior experience).
✓ JavaScript frameworks: **AngularJS** (advanced), **React.js** (intermediate), **Node.js** (prior experience).
✓ Build automation tools: **Gradle** (advanced), **Maven** (intermediate), **Jenkins** (prior experience).
✓ Databases: **MySQL** (advanced), **Azure SQL** (intermediate), **MongoDB** (prior experience).
✓ Engines: **Unity** (advanced), **Unreal 4** (intermediate), **Godot 3** (intermediate), **AnyLogic 8** (prior experience).

## EXPERIENCE

**LinkNeural, Palo Alto, CA** **Sep '20 – Current**
Data Scientist – *Business Intelligence*

- Trained a supervised x-ray image classification model, improving acute illness recognition accuracy from 86% to 94%.
- Designed experimental predictive models using machine learning algorithms such as image classification, multivariate regression, Naive Bayes, Random Forest, K-means clustering, KNN, PCA, as well as XGBoost and GBM gradient boosting.
- Worked on recalibration of a patient intake risk model for a healthcare delivery network, increasing pilot model velocity by 34% through leveraging hybrid pipelines, parallelization, feature normalization, label encoding and GPU acceleration.
- Built an entity recognition model with a skills-match feature using SpaCy, automating the review of over 400 resumes in minutes, resulting in hiring managers being able to better decide whether an applicant should move to the interview stage.

**LinkNeural, Palo Alto, CA** **Jul '18 – Aug '20**
Software Engineer II

- Built a deployment monitoring tool using Apache Beam SDK for Python, improving observability of running systems by 21%.
- Designed a single-page client app in JavaScript, reducing object rendering time by 46%, which led to a subsequent 24% reduction in client log-in time on the front end.
- Delivered a progressive web app for a client in Angular leveraging a NoSQL database, containerizing it with Docker on Google Cloud Run, resulting in cost savings of 60% versus the previous legacy front-end setup built in 2008 on Google App Engine.
- Collaborated with the MLOps team to re-architect a legacy system using React Native that serves over 1,000+ requests / day.

**TD Insurance, Chicago, IL** **Feb '16 – Jun '18**
Software Engineer I

- Designed an internal dashboard using jQuery that monitored website activity and defined cybersecurity KPIs, alerting on-call developers via text & e-mail when high-priority issues arose.
- Worked on re-development of application design and code review standards to improve quality across CI/CD pipeline, managing requests sent via REST APIs more effectively.
- Successfully migrated legacy PostgreSQL database to a Redis instance within Heroku, resulting in 27% less runtime errors.

## EDUCATION

**IBM** – Data Science Professional Certification (12 months, 10 Courses) **Mar '22**

- Coursework: Machine Learning, AI & Development, Python for Data Science, Databases & SQL with Python, Data Analysis.

**Stanford University @ Coursera** – AI in Healthcare Professional Program (6 months, 5 Courses) **Nov '21**

- Coursework: Clinical Data, Machine Learning, Healthcare, Evaluation of AI Applications, AI in Health Capstone.

**Ryerson University** – Bachelor Degree in Economics & Finance (4 years) **Jun '14**

- Coursework: Statistics, Econometrics, Computer Science, Algorithms, System Design, Data Structures, Materials Science.

## OPEN SOURCE PROJECTS

Matchy.dev – **Java, GDScript** (*source code*: github.com/claireyurev/matchy)

- Mobile game inspired by classic match-three games. Created in Java (Android Studio) and re-written in GDScript for Godot.

OpenCortex.ai – **JavaScript, Node.js, jQuery** (*source code*: github.com/claireyurev/opencortex)

- Data Science visualization app, built in JavaScript and ArcGIS API, serving data over maps of earth from NASA on a 3D globe.