Richard Chou

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ABOUT ME

Technical Skills Python, SQL, LaTeX, R, BI Tooling (Google Looker Studio, Tableau), Cloud Platforms (AWS, GCP)

Developer Tools Atlassian (BitBucket, Confluence, Jira), DBeaver (Teradata, PostgreSQL, SQLite), Overleaf, Docker, VS Code, JetBrains IDE (PyCharm) Airflow, SAP PowerDesigner, RStudio, Terraform

Languages Fluent in Dutch, Proficient in English, Limited Proficiency in Mandarin

Interests Technology, Coding, Cooking, Stock Trading, Reading, Sports

WORK EXPERIENCE

De Volksbank

Data Engineer, Banking — Utrecht, NL (November 2023 – Present)

- Work on expanding the cloud data lakehouse using marketing and financial data from the on-premise data warehouse within the Client Interface domain.
- Engineered over 30 automated data pipelines for marketing campaigns and personalised content for the De Volksbank brands using Airflow and Athena/Trino SQL.
- Onboarding new hires within the team and mentoring them in their user stories and working methods.
- Used technologies: Amazon Web Services (AWS), SQL (Teradata/Trino), Jira, Confluence, GitHub, Airflow, Terraform and Python (PySpark).

Junior Data Engineer BI, Banking — Utrecht, NL (September 2022 – October 2023)

- Further developing and implementing the functional data warehouse within De Volksbank.
- Designed, aligned, and developed new BI dashboards and features in existing BI dashboards for credit risk model monitoring within Tableau.
- Worked on data migrations within the on-premise data warehouse to prepare credit risk monitoring datasets using Teradata SQL and SAP PowerDesigner.
- Used technologies: SQL (Teradata), Jira, Confluence, BitBucket, SAP PowerDesigner, and Tableau.

Bit Academy

Community Coach, Education — Amsterdam, NL (January 2023 – August 2023)

- Facilitated and coached over 20 students with coding problems for the Bit Academy Pro courses in Python, SQL, and other open-source technologies.
- Mentored 5 students interested in a career in data by sharing industry and theoretical knowledge within the data science, data analytics, and data engineering domains.
- Used technologies: SQL (SQLite), GitLab, and Python.

Coolblue

Data Science Intern, E-Commerce Company — Rotterdam, NL (April 2022 – August 2022)

- Worked on the weekly potential sales and demand forecast for one of the product types within Coolblue.
- Group different products based on their sales behaviours and propose different machine learning forecasting approaches for the selected product types.
- Used technologies: SQL (BigQuery), Jira, Confluence, GitHub, and Python.

Finaps

Process Engineer, Tech Company — Amsterdam, NL (November 2019 – April 2022)

- Implementation and maintenance of the information security and quality management systems following the ISO 9001 and 27001 standards.
- Worked on several continuous improvement initiatives in the form of research chapters and respective ISO standards.
- Part of the tactical stream within the organisation by initialising research chapter teams within the software engineering and data domains.
- Mentored 2 (graduate) interns with their projects and research.
- Milestone: achieving the ISO 9001 certification with Finaps in August 2021.

Accenture
Associate, Technology Practices   Utrecht, NL (March 2018 – September 2019)
- Started as an undergraduate intern, which was scoped on data security tooling and best practices for GDPR compliance (March 2018 - August 2018).
- Provided project management support across Accenture's Dutch accounts within the chemical resources industry.
- Tasks consist of managing project financials, calculating price margins for new consultancy projects and extensions, and collaborating with the project managers and managing directors to win new deals.
- Mentored several (graduate) interns with their projects and research.

Finaps
Junior Information Security Specialist, Tech Company   Amsterdam, NL (August 2016 – December 2017)
- Started as an intern focused on implementing the ISO 27001 standard within the organisation (August 2016 - January 2017).
- Managed to set up the ISO 27001 framework in a time frame of 7 months within the organisation.
- Worked on internal audits, writing information security and GDPR policies, and performing risk assessments when (technology) changes occurred within the organisation.
- Milestone: achieving the ISO 27001 certification with Finaps in April 2017.

VOLUNTEER EXPERIENCE/PERSONAL PROJECT

Ichi Ban Leiden, Hospitality Services   Remote, NL (March 2024 – Present)
- Support my parents' restaurant by gathering data sources for gaining insights about the restaurant's performance.
- Developed the platform for app deployment, data warehousing, and data engineering, see link for more information.
- Used technologies: Google Cloud Platform (GCP), Python, SQL (BigQuery), and GitHub.

Volt Europe, Politics   Remote/Amsterdam, NL (August 2021 – April 2023)
- Volunteered as a data analyst facilitator for the Data Analytics team of Volt Europe.
- Performing ETL on raw data to make various dashboards for different stakeholders within Volt.
- Manage, onboard, and delegate tasks to several Volt members related to BI dashboarding.
- Used technologies: SQL (PostgreSQL), Python, GitLab, and Looker Studio.

KLM Curaçao Marathon, Foundation Run in the Sun   Utrecht/Curaçao, NL (November 2017)
- Volunteered for 1 month as a facility officer for the participants of this marathon.
- Tasks varied from handing out drinks and medals to the participants to setting up the event.

EDUCATION

University of Texas at Austin   Remote/Austin, USA (2025 – Present)
- MSc Artificial Intelligence

University of Helsinki   Helsinki, FL (2023 – Present)
- Open University, Track: Computer Science and Data Science

University of Amsterdam   Amsterdam, NL (2021 – 2022)
- MSc Information Studies, Track: Data Science
- Thesis subject: Detecting and classifying cyberbullying memes in Twitter posts
- Performed research within the University of Amsterdam on multi-modal classification models that detect and classify cyberbullying within memes posted on Twitter.
- Used technologies: Python, Amazon SageMaker, GitHub, and Twitter Developer API.

Utrecht University   Utrecht, NL (2020 – 2021)
- MSc Business Informatics, Profile: Applied Data Science
- Programme not completed: 61.5/120 ECTS (completed Applied Data Science profile: 45/30 ECTS)
- Relevant coursework: Data Science and Society, Data Analysis and Visualisation, Big Data, Algorithms in Finance, Business Intelligence, and Data Intensive Systems

Hogeschool Utrecht Utrecht, NL (2014 – 2018)

- BSc Business, IT & Management (currently called HBO-ICT)
- Thesis subject: Which data security tooling and best practices could ensure GDPR compliance in the data security segment?
- Performed research within Accenture Technology at the Data Management department on data security tooling and the best practices companies can adhere to for GDPR compliance.

CERTIFICATIONS

Scrum.org 2024

- Professional Scrum Master I (PSM I)