

# RICHARD CHOU

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## ABOUT ME

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**Technical Skills** Python, SQL, L<sup>A</sup>T<sub>E</sub>X, R, BI Tooling, Cloud Platforms

**Developer Tools** Atlassian stack (BitBucket, Confluence, Jira), DBeaver (Teradata, PostgreSQL, SQLite), Overleaf, Google Looker Studio, Tableau, Docker, VS Code, SAP PowerDesigner, RStudio, AWS, GCP, Terraform

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

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

## WORK EXPERIENCE

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### De Volksbank

Data Engineer, Banking

Utrecht, NL (November 2023 – Present)

- Work on expanding the cloud data lakehouse of De Volksbank within the Client Interface domain and the bank.
- Configure data pipelines within AWS in an infrastructure as code setup using Terraform, Python and SQL.
- Used technologies: Amazon Web Services (AWS), SQL (Teradata/Trino), Jira, Confluence, GitHub, 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.
- Work on dashboard development and data migrations for credit risk model monitoring.
- Used technologies: SQL (Teradata), Jira, Confluence, BitBucket, SAP PowerDesigner and Tableau.

### Bit Academy

Community Coach, Education

Amsterdam, NL (January 2023 – August 2023)

- Facilitate and coach students with coding problems for the Bit Academy Pro courses in Python, SQL and other open-source technologies.
- 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 forecasting approaches for the selected product types.
- Used technologies: SQL (BigQuery), Jira, Confluence, GitHub and Python.

### University of Amsterdam

Graduate Intern, University

Amsterdam, NL (February 2022 – July 2022)

- Performed research 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.

### Finaps

Process Engineer, Tech Company

Amsterdam, NL (November 2019 – April 2022)

- Implementation and maintenance of the information security and quality management systems.
- Worked on several continuous improvement initiatives in the form of chapters.
- Part of the tactical stream within the organisation.
- Mentored several (graduate) interns with their projects and research.
- Milestone: achieving the ISO 9001 certification with Finaps in August 2021.

## WORK EXPERIENCE (CONT.)

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### 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 industry.
- Tasks consist of managing project financials, calculating price margins for new 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 information security audits, writing information security 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

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### Ichi Ban Leiden, Hospitality Services

Remote, NL (March 2024 – Present)

- Support my parents' restaurant by gathering data sources for gaining insights about the performance of the restaurant.
- 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.
- Manage and divide tasks to several Volt members related to 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

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### 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

### 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)