



# Ning Xie

## Software Engineer

I am an experienced full-stack software engineer who constantly seeks out innovative solutions to everyday problems. In my five years in the FinTech industry, I have matured my collaboration skills, software engineering practices and analytical thinking in a dynamic global working environment. Currently I am pursuing a master's degree at the University of Zurich with a focus in Human-Computer Interaction and Artificial Intelligence.



ningxie1991@gmail.com



+41 784027041



Zurich, Switzerland



ningxie1991.github.io



linkedin.com/in/ning-xie



github.com/ningxie1991



## WORK EXPERIENCE

### Senior Software Engineer (100%)

#### Wellington Management Company LLP

01/2020 - 08/2020

Boston, USA

- Developed technical solutions and business deliverables to support trading floors across all asset classes
- Core developer for backend and frontend software development projects
- Collaborated with business and technical stakeholders on product design, project execution strategies and performance monitoring

### Software Engineer (100%)

#### Wellington Management Company LLP

04/2015 - 12/2019

Boston, USA

- Led innovative web application projects in the equity trading technologies team to complement the in-house trading platform
- Migrated all in-house application infrastructure to Amazon Web Services as a core full-stack developer in the development team
- Worked in a global team of analysts, developers and traders via Agile framework



## EDUCATION

### Master of Science

#### University of Zurich (UZH)

09/2020 - Present (Expected Graduation: December 2022)

Zurich, Switzerland

**Major** People-Oriented Computing

**Minor** Informatics

##### Courses Highlight

- Advanced Topics in AI
- Human-Computer Interaction
- Requirements Engineering
- Advanced Software Engineering
- Foundations of Data Science
- Information Management

### Bachelor of Arts

#### Mount Holyoke College (MHC)

09/2011 - 05/2015

South Hadley, MA, USA

**Major** Computer Science

**Minor** Mathematics

GPA 3.6/4.0

##### Courses Highlight

- Object-Oriented Programming
- Software Design
- Algorithms and Data Structures
- User Interface Design



## SKILLS

Java

Python

React

TypeScript

JavaScript

HTML5

UI/UX Design

Web App

Git

Spring

Docker

AWS

Cloud Services

Google Cloud

Maven

Gradle

SQL

MongoDB

CI/CD

DevOps

Project Management

Requirements Analysis

Semantic Web



## ACHIEVEMENTS

### Digital Valley Challenge Winner, EY (03/2022)

Presented an inclusive educational cryptocurrency learning platform to engage more female talent (Team DeFiers)

### Digital Transformation Project Idea Winner, Deloitte (11/2021)

Presented a digital transformation proposal for parcel delivery service and selected as winner by Deloitte mentors in class (Information Management)

### Promoted as Senior Software Engineer, Wellington Management (01/2020)

Assigned responsibilities of development within multiple project teams and recognized as subject matter domain expert



## ORGANIZATIONS

### Computational Evolution Group, ETHz (08/2021 - 12/2021)

Website Developer

- Maintained and improved the [CoV-Spectrum](#) website, an interactive visualization tool to analyze and discover variants of SARS-CoV-2 under the [research](#) of the group

### Mount Holyoke College Investment Club (02/2013 - 06/2013)

Represented the college in a regional stock investment competition and placed 6th

### DBJ Dance Crew (02/2013 - 12/2014)

Performed at various college events in a hip-hop/urban dance crew



## ACADEMIC PROJECTS

### Semantic Annotation Tool (Master Project), UZH (07/2021 - 03/2022)

- Designed and developed a [Chrome extension](#) to annotate the web and create RDF data for arguments, hypotheses and data science workflow using semantic web technologies

### Information Management class projects, UZH (09/2021 - 12/2021)

- Designed and executed an outsourcing project using a freelance developer job platform
- Pitched a digital transformation plan for parcel delivery service to Deloitte partners
- Presented a digital project failure analysis for a hospital group to Ergon partners

### Movie Chatbot, UZH (09/2021 - 12/2021)

- Programed a [conversational agent](#) using Python and a knowledge graph to answer movie related questions in a closed domain

### Advanced Software Engineering class project, UZH (02/2021 - 06/2021)

- Designed and developed a web application, [AScout](#), visualizing Airbnb open dataset using Google Cloud Platform (GCP), React, Java, Spring, MongoDB, Google Maps API

### AI Tech & Law class project, UZH (02/2021 - 06/2021)

- Researched on the artificial intelligence applications in autonomous vehicles and their impact on data governance within the automotive aftermarket and servicing sector

### Cognitive Biases in Code Review (Master Basis Module), UZH (02/2021 - 06/2021)

- Researched on the cognitive biases in code reviewing and designed a study for Halo Effect in the open-source code evaluation process

### Human-Computer Interaction class project, UZH (09/2020 - 01/2021)

- Designed a mobile application prototype, [laundriQ](#), for remote monitoring and booking of laundry slots in residential buildings equipped with communal laundry facilities

### Game Development class project, MHC (09/2014 - 12/2014)

- Designed and programed a mobile single player word game called "[Word Snack](#)" and released the game on [iOS](#) app store under [Fay Games](#)



## LANGUAGES

### Chinese

*Native or Bilingual Proficiency*

### English

*Full Professional Proficiency*

### German

*Elementary Proficiency*



## INTERESTS

Traveling

Photography

Dancing

Badminton

Cycling

Skiing

Hiking