

PERSONAL INFORMATION

name Ning Xie

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date of birth 05, January, 1991

nationality Chinese



EDUCATION

Since 09/2020 **University of Zurich (UZH), Zurich, Switzerland**
Degree: Master of Science in Informatics
Major: People-Oriented Computing Minor: Informatics
Expected graduation: December 2022

08/2011 – 05/2015 **Mount Holyoke College (MHC), South Hadley, MA, USA**
Degree: Bachelor of Arts
Major: Computer Science Minor: Mathematics

Fall 2013 Studied abroad at Aquincum Institute of Technology, *Budapest, Hungary*

WORK EXPERIENCE

08/2021– 12/2021 **Web Developer (40%), Computational Evolution Group, ETH, Zurich, Switzerland**

- 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

04/2015 – 08/2020 **Software Engineer (100%), Wellington Management Company LLP, Boston, USA**

- Created business deliverable products to support trading floors across all asset classes
- Formulated project design plans, execution strategies and performance testing in collaboration with project stakeholders
- 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

Summer 2014 **Game Developer Internship, MassDiGI, Becker College, Worcester, MA, USA**

- Programmed C# scripts for gameplay logic and UI for the mobile tower defense game “Midnight Terrors” and released the game to [iOS](#) app store under MassDiGI

PROFESSIONAL SKILLS

Programming: Java, Python, React, JavaScript, TypeScript, HTML5, Bootstrap, Material-UI, Figma, Gradle, Maven, Spring Boot, Github, AWS, GKE, SQL, MongoDB, Docker, Jenkins, DevOps, CI/CD, Requirements Analysis, Full-Stack, FinTech, Semantic Web, RDF, OWL, SPARQL

ACADEMIC PROJECTS

- Fall 2021 **Semantic Annotation Tool (Master Project), UZH, Zurich, Switzerland**
- 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
- Fall 2021 **Movie-Domain Chatbot, UZH, Zurich, Switzerland**
- Programed a [conversational agent](#) using Python and a knowledge graph to answer movie related questions in a closed domain
- Spring 2021 **Advanced Software Engineering class project, UZH, Zurich, Switzerland**
- Designed and developed a web application, [AScout](#), visualizing Airbnb open dataset using Google Cloud Platform (GCP), React, Java, Spring, MongoDB, Google Maps API
- Spring 2021 **Cognitive Biases in Code Review (Master Basis Module), UZH, Zurich, Switzerland**
- Researched on the cognitive biases in code reviewing and designed a study for Halo Effect in the open-source code evaluation process
- Spring 2021 **AI Tech & Law class project, UZH, Zurich, Switzerland**
- Researched on the artificial intelligence applications in autonomous vehicles and their impact on data governance within the automotive aftermarket and servicing sector
- Fall 2020 **Human-Computer Interaction class project, UZH, Zurich, Switzerland**
- Designed a mobile application prototype, [laundrIQ](#), for remote monitoring and booking of laundry slots in residential buildings equipped with communal laundry facilities
- Fall 2014 **Game Development class project, MHC, MA, USA**
- Designed and programed a mobile single player word game called “[Word Snack](#)” and released the game on [iOS](#) app store under [Fay Games](#)

COURSES HIGHLIGHT

- 2020 – 2022 **Master, UZH, Zurich, Switzerland**
- Advanced Topics in Artificial Intelligence
 - Requirements Engineering
 - Information Management
 - Advanced Software Engineering
 - Human-Computer Interaction
 - Software Testing
 - Foundations of Data Science
- 2011 – 2015 **Bachelor, MHC, South Hadley, MA, USA**
- Object-Oriented Programming
 - Algorithms and Data Structures
 - Theory of Computation
 - Software Design
 - User Interface Design

LANGUAGES & INTERESTS

- Languages: English (proficient), Chinese (native), Korean (intermediate), German (basic)
- Interests: Traveling, Photography, Dancing, Badminton, Skiing, Hiking, Cycling