

# Jason B. Shew

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## Profile

- Passionate, inquisitive third-year Bachelor of Science student studying Computer Science at Western University
- Experienced in Java, Python, and C, with working knowledge of HTML, CSS, JavaScript, etc.
- Familiar with software development practices (documentation, UI / UX design, implementation, integration, testing)
- Thoughtful communicator with the proven ability to explain complex ideas and concepts in both oral and written forms, in clear and concise terms, as demonstrated when working as an instructor
- Hard worker, creative problem-solver, and critical thinker who applies a keen attention to detail to locate and resolve issues quickly
- Active in group projects, working well with people from diverse backgrounds and cultures to deliver a common goal within firm deadlines through communication and collaboration
- Highly adaptable to new situations and circumstances, researching and acquiring new skills quickly

## Technical Skills

<b>Programming Languages:</b>	Java, C, Python, Prolog, Scheme (Racket), ARM Assembly, PHP
<b>Operating Systems:</b>	macOS, iOS, UNIX, Windows
<b>Front-End:</b>	HTML, CSS, Dreamweaver, Balsamiq, Swing
<b>Databases:</b>	MySQL
<b>Office Suites:</b>	Excel, Word, PowerPoint, Teams, Zoom, most Cloud services, Apple iWork
<b>Others:</b>	WordPress, Jira, Confluence, Cloudflare, Technical Writing, Typography
<b>Current Focuses:</b>	JavaScript, React, Swift, Git, APIs, IT Project Management, Power BI

## Education

### Bachelor of Science in Computer Science

Western University, London, ON

May 2022 – Present

- **Final average grade:** 4.0 (out of 4.0, as of the beginning of the third year)
- **Relevant courses:** Computer Science Fundamentals, Computer Organization and Architecture, Applied Logic, Data Structures and Algorithms, Software Tools and System Programming, Software Engineering, Discrete Structures, Organization of Programming Languages

### Master of Arts in Applied Linguistics

Nankai University, Tianjin, China

Completed June 2010

### Bachelor of Arts in English Literature

Nankai University, Tianjin, China

Graduated June 2008

## Relevant Experience

### IT Support Technician

Saint Road Education Ltd., Beijing, China

April 2013 – April 2022

- Provided training and guidance to office staff on how to use various software applications, such as Microsoft 365 and Cloud LMS (learning management system), streamlining their everyday workflow
- Troubleshooted issues with network and devices including laptops, tablets, smartphones, printers, surveillance cameras, and other peripherals to minimize negative impacts on staff productivity
- Designed a set of digital forms (including Progress Report Form) and maintained the LMS, optimizing essential business operations

### Web Technician

Reachsoon Education Ltd., Tianjin, China

January 2010 – December 2012

- Developed and maintained the business website (using HTML, CSS, and later WordPress)
- Created a unique digital visual identity, increasing aesthetic appeal of the site and recognizability of the brand
- Enhanced performance by employing image compression and CDN, reducing loading times to less than 2 seconds
- Collaborated with marketing team to launch marketing campaigns online, acquiring 600 new clients in six months

**Volunteer Web Technician****October 2007 – June 2008****Students' Union at College of Foreign Languages, Nankai University, Tianjin, China**

- Re-engineered the college's official website using Macromedia Dreamweaver and MySQL to facilitate content management and modernize its appearance, revitalizing the department's digital presence and making it unique

## Projects and Coursework

**BuildingBuddy:** a team project of five developers aiming to create an indoor navigation application for designated buildings at Western University**January 2023 – April 2023**

- Created Requirements Documentation by engaging with stakeholders and identifying requirements and use cases
- Created Design Documentation after formulating design classes, creating UI wireframes using Balsamiq, defining GUI features, and designing logo and visuals
- Implemented 15 Java classes (16 in total) based on documentations, making the app ready for delivery
- Optimized program usability, improving GUI (in Java Swing) for more than 20 times (versions)
- Performed integration testing based on results of JUnit testing, making the app flawless
- Managed the project using Jira, Confluence, and VCS (Bitbucket and GitHub), maintaining team contract and scrum meeting minutes, and providing peer review, which ensured the final success of the project
- Scored 100% on implementation, testing, and project management, receiving positive reviews from stakeholders, instructors, and all teammates, evidenced by a 114.53% individual project grade

**Gomoku, Pac-Man, City Maps:** three standalone primitive graphic games**September 2022 – December 2022**

- Implemented Java classes based on the game design documents to achieve desired functionality
- Designed data structures to store game states and user data in an efficient way
- Used IntelliJ IDEA's debugging tool to debug the programs and rectify faulty logic that led to issues such as miscalculations of game character positions, making the games faultless
- Scored 100% on the final appraisal of each game

## Professional Experience

**Senior Instructor****April 2013 – April 2022****Saint Road Education Ltd., Beijing, China**

- Developed four categories of TESOL course materials for both group and individual learners including the well-received "3+7 Minimalist Grammar," which enabled beginners to write a simple English essay after four hours of study
- Taught highschoolers, university students, and adult learners English grammar and writing skills in both in-person and online settings, assisting clients in passing standardized scholastic tests (e.g. ACT, SAT, GRE, GMAT) and English proficiency tests (e.g. TOEFL, IELTS)
- Provided progress reports to better help students achieve their academic, career, and life goals in North America: admissions to Yale and other Ivy League schools, immigration to the US, and jobs at major companies

**Co-founder | Instructor****January 2010 – December 2012****Reachsoon Education Ltd., Tianjin, China**

- Created this private education institution with four other professionals in the business, in charge of academic affairs including curricular design, textbook compilation, and learning resources management
- Designed curriculums and textbooks for secondary students based on their course syllabi, complementing public school education and boosting their academic performance by at least 10% (measured by school test scores)
- Taught English to secondary school students who were mainly Mandarin speakers, helping them study for ESL exams at school and improving their overall linguistic competence
- Managed instructional resources (classrooms, equipment, materials, etc.) using Microsoft Office Suite efficiently

Student Name: **Jason B. Shew** | Student Number: **251285678**  
 Program: **Computer Science w/ Honours** | Year: **Third-year**

COURSE	DESCRIPTION	GRADE	HIGHLIGHTS
COMPSCI 1026A	Computer Science Fundamentals I	99%	Programming fundamentals with Python
COMPSCI 1027B	Computer Science Fundamentals II	96%	Data Structures and Program Organization with Java
COMPSCI 2208A	Introduction to Computer Organization and Architecture	94%	Computer Architecture and ARM Assembly
COMPSCI 2209A	Applied Logic for Computer Science	92%	Propositional Logic, Quantificational Logic, Prolog
COMPSCI 2210A	Data Structures and Algorithms	90%	Hash maps, Searching and Sorting Algorithms, Trees, Graphs
COMPSCI 2211A	Software Tools and System Programming	97%	Unix and Programming in C
COMPSCI 2212B	Introduction to Software Engineering	100%	Scrum, Desktop Application, Java GUI, UX, Git, JUnit, Jira, Confluence
COMPSCI 2214B	Discrete Structures for Computer Science	93%	Discrete Math
COMPSCI 3342B	Organization of Programming Languages	90%	Functional Programming, Prolog, Scheme
WRITING 2111G	Introduction to Professional Writing	87%	Business & Professional Correspondence
BIOLOGY 2244B	Statistics for Science	—	Starts June 2023
<b>Computer Science Courses GPA</b>		<ul style="list-style-type: none"> <li>○ <b>94.56%</b></li> <li>○ <b>4 / 4</b></li> <li>○ <b>A+</b></li> </ul>	<b>Currently on the Dean's Honour List</b>