

# HUIFANG YE

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## Education

### University of Pennsylvania

Sep. 2021 – May. 2023 (Expected)

*Master of Computer and Information Technology*

*Philadelphia, PA, US*

- **Core courses:** Software Development, Computer Systems Programming, Data Structures & Software Design, Algorithms & Computation, Programming for the Web

### Huazhong University of Science and Technology (HUST)

Sept. 2016 – June. 2020

*Bachelor of Translation and Interpreting* | GPA: 3.98 / 4.0

*Wuhan, China*

- **Core courses:** Computer-aided Translation, Computational Linguistics, Fundamentals of Computer Programming

### Wuhan University

Sept. 2017 – March. 2019

*Minor in International Economics and Trade* | GPA: 3.52 / 4.0

*Wuhan, China*

- **Core courses:** Macroeconomics, Microeconomics, International Economics, Theory of International Finance

## Skills

**Languages:** Java, Python, C, Assembly Language, Visual Basic, HTML/CSS, SQL, PHP, L<sup>A</sup>T<sub>E</sub>X, Markdown

**Developer Tools:** VS Code, IntelliJ IDEA, Xcode, CLion, Git, PyCharm, Eclipse

**Business Skills:** Financial Management, Taxation, Audit and Assurance, Financial Reporting (ACCA candidate)

## Professional Experience

### BBK Educational Electronics Corporation Ltd. | EdTech

June. 2021 – August. 2021

*Project Management Intern*

*China*

- Cooperated with Research and Development team to design preschooling education products with strong and competitive user value by constructing and distributing survey.
- Researched preschooling education market related to AI online courses and produced **five competitive analysis reports** within two months.
- Optimized the BBK AI courses contents by proposing four innovative modifications and received the **highest ratings A** among the interns.

## Projects

### Evil Hangman | java

Dec. 2021

- Extended the *Hangman* game to create *Evil Hangman* game, a game of Hangman in which the computer secretly changes the hidden word in order to make the player's task as hard as possible.
- Integrated knowledge of file I/O, loops & Iteration and ArrayList data structure into the program.
- Employed **JUnit** framework to test every public class.

### LC4 Assembler | C, Assembly Language

Dec. 2021

- Built a LC4 Assembler that read in assembly language in .ASM file and generated its machine equivalent in .OBJ file.
- Utilized **GNU Debugger** tool to debug and **Makefile** to automate compiling process.
- Parsed the eight ISA instructions, converted the binary string to hex and finally wrote out the object file.

### Personal Website | [ye-huifang.github.io](https://ye-huifang.github.io) | Jekyll

Dec. 2020

- Built a personal website using **Jekyll**.
- Designed the icon and layout of the website and integrated English and Chinese resume in the static website.

## Academic Experience

### Linguistics Department at HUST

Sept. 2020 – June. 2021

*Research Assistant*

*China*

- **Publication:** Ye, H., Tang, X., Fractal-Theory Based Analysis of Metaphorical Construction Development: A Case Study of *Chongdian*. The 22nd Chinese Lexical Semantics Workshop. Nanjing, China.
- Built *Diachronic Corpus of People's Daily* by collecting the news of People's Daily from 1946 to 2004 automatically and manually with the tool **Python** and **Antconc**.
- Pre-processed and parsed the self-built corpus by NLIR-ICTCLAS Chinese word segmentation system for **word segmentation** and **part of speech tagging**.
- Interpreted and analyzed quantitative and qualitative diachronic results by utilizing the dependency syntactic analyzer Stanford **CoreNLP** and **DepCluster** to transform the sentence into dependency tree list.