

Brian D. Baker

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Portfolio: baker-ling.github.io/portfolio/index.html

Full-stack developer transitioning from a career as a Japanese-English translator/interpreter. Accumulated programming experience in JavaScript, Python, PHP, and VBA from various projects throughout education and career now augmented by a MERN-stack web development bootcamp. Possesses advanced fluency in Japanese from experience living and working in Japan as well as research, analytical, presentation and project management skills honed through graduate school research & teaching duties, translation/interpretation experience, and small-scale software development projects. Always looking to learn more while building value that makes users lives better.

POSITION SOUGHT

Full-stack software developer using JavaScript and/or Python

TECHNICAL SKILLS

- JavaScript, React, Node.js, Express
- Python (Machine learning libraries: Scikit-learn, TensorFlow 2)
- VBA and VBScript
- Git
- HTML, CSS
- Relational and non-relational databases (SQL, MySQL, MongoDB)
- Regex

PROJECTS

I Choose Who? [GitHub Repo](#) / [Live App](#)

Fullstack web app to manage Pokémon collections and provide recommendations for Pokémon Go battles.

- Developed as part of 3-person team using Bulma (CSS framework), Node, Express, MySQL, Sequelize ORM library, and Handlebars templating engine
- Acted as lead designer and developer for front-end and back-end templates

Bilingual Note Taker [GitHub Repo](#) / [Live App](#)

Proof-of-concept of an in-browser web app to take meeting notes with simultaneous machine translation.

- Developed as part of 5-person team using vanilla JavaScript, Materialize (CSS framework), Pantry online storage API, and LibreTranslate machine translation API.
- Acted as project leader and developer for translation API calls.

WORK EXPERIENCE

In-house Translator/Interpreter, Corporate Commercial Relations

TS Tech Americas, Inc., Reynoldsburg, OH: August 2014 – Present

- Improved translator productivity company-wide by 30% by developing MS Office add-ins in VBA to accelerate pre- and post-translation formatting. Led team of 3 translators on development project and received Technical Merit award at Honda's Fall 2019 CAN Conference, an improvement project conference for Honda suppliers.
- Reduced setup time for interpreted meetings from 15 minutes to 1 minute by creating automations in Power Automate for Desktop and JavaScript.
- Developing machine-learning based system in Python to completely automate pre-translation formatting for increased translator productivity and improved machine-translation accuracy.
- Improved translator productivity by 50% by adopting computer-assisted translation technology in corporate purchasing and sales division.
- Providing Japanese-English simultaneous interpretation for meetings with customers at all hierarchy levels and for internal meetings from working level to executive level.
- Translating between Japanese & English for sales and sales-engineering presentations to customers, for contracts and legal correspondence, and for internal reports, business plan proposals, and other correspondence.

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WORK EXPERIENCE (Continued)

Graduate Teaching Associate, Department of East Asian Languages & Literatures

The Ohio State University, Columbus, OH; September 2012 – May 2013

- Taught beginner/intermediate Japanese in individualized and classroom settings and developed and performed interactive lesson plans both for daily performance classes conducted in Japanese and weekly lectures in English.
- Taught Introduction to East Asian Humanities, performing lectures on topics in China, Korea, and Japan.

EDUCATION

Web Development Bootcamp (2022), The Ohio State University, Certificate program.

- Technologies covered: Git, HTML, CSS, JavaScript, jQuery, Bootstrap, Node, Express, React, MySQL, MongoDB, ORM libraries, REST APIs, GraphQL, MERN stack

Master of Arts in Japanese Linguistics, The Ohio State University, Columbus, OH.

- Focus area: historical linguistics and dialectology
- Graduation project: online viewer of Japanese geographical dialect data using JavaScript and Google Maps API v3 for use in dialectology research.

10-Month Intensive Program in Advanced Japanese

Inter-University Center for Japanese Language Studies, Yokohama, Japan.

Bachelor of Arts in Japanese with Distinction

Bachelor of Arts in International Studies (International Relations & Diplomacy Specialization)

The Ohio State University, Columbus, OH.

Minors: Computer and Information Science, Linguistics. Summa Cum Laude, with Honors in the Arts and Sciences

Year-long Study Abroad Program, University of Tsukuba, Tsukuba, Japan.