Shuta Suzuki

shutas@umich.edu | +1 (248) 860-0866 | 57421 Windmill Pointe New Hudson, MI 48165

PROGRAMMING

C++/C, Python, HTML, CSS, JavaScript, SQL, MATLAB, Visual Basic, LaTeX ARMv8 (Assembly), Markdown

COURSEWORK

COMPUTER SCIENCE

Discrete Mathematics
Intro to Logic Design
Data Structures and Algorithms
Intro to Computer Organizations
Foundations of Computer Science
Intro to Computer Security
Mobile App Development
Web Systems

LINGUISTICS

Intro to Syntax
Aspects of Meaning
Intro to Computational Linguistics
Anatomy of NLP Systems

SKILLS

Computational Linguistics
Natural Language Processing
Full-Stack Web Development
Socket Programming
Multithreaded Programming
Version Control
Shell Scripting
Unit Testing
Code Coverage Analysis
Continuous Integration
Agile Development

TECHNOLOGIES

Git, Make, React, Flask, Jinja2, Hadoop, MapReduce, AWS, NLTK

CERTIFICATIONS

Adobe Dreamweaver, Photoshop, Flash

LANGUAGES

English: Fluent, Japanese: Fluent

EXTRACURRICULAR

IEEE(Vice President), JSA, Billiards Club

SCHOLARSHIP

Undergraduate Internship Scholarship

EDUCATION

UNIVERSITY OF MICHIGAN | Ann Arbor, MI

B.S. in Computer Science with Minor in Linguistics | 2016-2019
Current GPA: 3.82/4.00 , Class of Spring 2019 (Senior Standing)

WORK EXPERIENCE

BLOOMBERG L.P. | Tokyo, Japan

Global Data Analyst Intern | Summer 2018

- Wrote a Python script to automate the daily task of updating stock listings for SBI and Chi-X exchanges by scraping raw data from each exchange's website and calling Bloomberg API to update information. Saved 180+ hours of manual work annually
- Created a Flask web application tool that maps data points on financial statements to Bloomberg Terminal's database fields to semi-automate the process of on-boarding new data for financial analysts and vendors without technical background. Implemented a simple and clean GUI for usability and portability, mapping 82% of data automatically
- Developed a financial document PDF extraction script that converts PDFs to Excel spreadsheets while retaining the structures and values of complex tables, saving 5 minutes of manual labor per document page

NOMURA RESEARCH INSTITUTE | Tokyo, Japan

IT Security Consultant Intern | Summer 2017

- Developed a program that classifies webpages by site owners for corporations to identify lost and outdated webpages that may have software vulnerabilities. Classifier tuned by defining custom rulesets and adjusting parameters to perform textual semantic analysis using a JavaScript framework Fathom
- Developed another Fathom classifier program that compares HTML structures of webpages such as tags, attributes, and user-defined class names along with metadata of these webpages

UMICH INSTITUTE FOR SOCIAL RESEARCH | Ann Arbor, MI

Research Assistant I | Fall 2016 - Current

- Implemented client-side validation features on online surveys to filter out participants that did not satisfy certain qualifications using JavaScript, HTML, and Qualtrics API. Wrote programs to send email messages to notify filtered result to the participant coordinator
- Wrote stimulus presentation programs for social, psychological, and kinesiological experiments using Visual Basic, integrating input devices such as eye trackers and EEG headsets to simultaneously record physiological data

PERSONAL PROJECTS

PERSONAL WEBSITE | https://www.shutasuzuki.com

- Created a static website using Jekyll and deployed on Netlify servers
- Implemented English/Japanese language switch feature by modifying the Jinja2 template to link the same markdown files written in different languages, allowing the user to switch back and forth between English and Japanese through a click of button on the generated website
- Added SSL/TLS certificates using Let's Encrypt and set up a custom domain name for the website via Google Domains

EVENT SIGN IN SCANNER

- Programmed a student ID card scanner to handle member registration, sign in, and email results for each IEEE event, reducing long lines for sign in. Back-end written in Python using Google Sheets as database, controlled via its API