

# Neil Rutherford

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Seeking a role where I can combine my experience as an educator with my passion for programming and back-end development.

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## Technical Favorites

- **OS:** Linux (Debian)
- **LANGUAGE:** Python
- **VERSION CONTROL:** Git
- **WEB FRAMEWORK:** Flask
- **DATA PERSISTENCE:** SQLAlchemy
- **VULNERABILITY:** XSS

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## Work Experience

MAY 2016 – JAN 2018 & OCT 2018 – PRESENT

### **Education Consultant / Mengcheng Education (Jiangyin, Jiangsu, China)**

- Work bilingually in English and Mandarin Chinese;
- Provide classes and mentoring to a wide range of students, ranging from kindergartners to adult English students;
- Source, develop, and adapt Western curricula to complement local teaching materials and better suit students' needs;
- Lead professional development workshops for local English teachers, addressing pronunciation issues and introducing Western teaching methods and materials;
- Regularly engage clients to determine and address changes in needs;
- Develop internal software solutions as needed, including web scrapers, image manipulators, random number generators, and plagiarism checkers;
- Maintain a strong understanding of individual client needs and of our product line.

AUG 2015 – MAY 2016

### **TCK Intern / Lewis & Clark College (Portland, Oregon, USA)**

- Led the unique Third Culture Kids (TCK) Board, which aims to build community among students who have spent a significant amount of time outside of their parents' culture and thus do not have a concrete sense of belonging to one specific culture;
- Solicited and managed the annual budget of US\$2,200;
- Organized biweekly social and educational events, as well as recruited new members;
- Organized the annual TCK Symposium by choosing a theme, corresponding with keynote speaker and panelists, and coordinating travel arrangements and reimbursements.

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## Education

AUG 2012 - MAY 2016

### **B.A. International Affairs / Lewis & Clark College (Portland, Oregon, USA)**

- Dean's List (2016)
- Recipient, Leadership & Service Award (2012 – 2016)
- Recipient, Fowler & Levin Summer Internship Award (2014)

SEP 2014 – DEC 2014

### **Chinese Language Intensive Program / Beijing Institute of Education (Beijing, China)**

Mandarin Chinese full-immersion program

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## Independent Projects

### **MARCO-POLO (JAN 2020 – PRESENT)**

- **Summary:** A website that walks Americans through the work visa application process and connects them with teaching jobs in China.
- **Tools:** Git, Python, Flask, WTForms, Flask Mail, SQL Alchemy, Alembic, HTML, Jinja
- **Languages:** English, Chinese (Simplified)

### **PWD.SH (NOV 2019)**

- **Summary:** Discovered and reported a bug in an open-source password manager. The problem was patched in a later release.
- **Tools:** Bash

### **ALDORA CAPITAL (FEB 2018 – FEB 2019)**

- **Summary:** The website was previously hosted on a third-party platform that was insecure and difficult to use. I assisted the admin migrate the Aldora site to an in-house Flask platform.
- **Tools:** Git, Python, Flask, HTML, jQuery, CSS, Bootstrap, SQLite