

Ethan Chau

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EDUCATION

UNIVERSITY OF WASHINGTON

B.S. IN COMPUTER SCIENCE

(DIRECT ADMISSION)

Expected June 2020 | Seattle, WA

GPA: 4.00 | Dean's List Au '16 - Au '17

COURSEWORK

Natural Language Processing • Artificial Intelligence • Data Structures & Parallelism • Systems Programming • Software Design & Implementation • Hardware/Software Interface • System & Software Tools

SKILLS

PROGRAMMING

Proficient

C# • Java • JavaScript

Familiar

Python • C • C++ • SCSS • HTML • CSS • XAML

TECHNOLOGIES

React.js • Git • Bash Shell • JIRA • AssertJ • EasyMock

LANGUAGES

English (Native) • Mandarin (Fluent) • Cantonese (Near-Fluent) • Spanish (Conversational)

LEADERSHIP

CORE TEAM MEMBER

COMMON GROUND FELLOWSHIP

Aug. 2017 - Present

INTERESTS

Natural Language Processing • Machine Learning • Data Science • Piano • Violin • Guitar • Tennis • Ultimate Frisbee

WORK EXPERIENCE

INDEED.COM | SOFTWARE ENGINEERING INTERN (FULL STACK)

June 2017 - Sept. 2017 | Seattle, WA

- Built and stylized a custom **React** frontend to minimize server load
- Upgraded a **Java** data storage model in response to client feedback
- Developed a set of **REST API** controllers with a test coverage of **over 90%**
- Implemented an **extensible backend** service format for efficient data retrieval

PROJECTS

ECHAU18.GITLAB.IO | PERSONAL PORTFOLIO

Sept. 2017 - Present | A sleek, portable website generator

- Integrated **SCSS** with **React** to design a modular, responsive frontend
- Defined a lightweight **JSON** data entry format for code-free site generation
- Configured a custom **Brunch** build system to streamline deploy process

OH MY ENGLISH | CLASS PROJECT FORK

Dec. 2016 - Jan. 2017 | A dynamic English phrase generator

- Implemented a **Java** scraping and parsing system to build word database
- **Extended** class's sentence generator to utilize both grammars and wordlists

ROAST MY PANTRY | WEB APP

May 2016 - May 2017 | A beautiful ingredient-based recipe search engine

- Combined **JS** and **AWS API Gateway** to parse data into custom display
- Taught teammates **CSS** and collaboratively designed website from scratch
- Awarded **"0-60" Award**, CodeDay Redmond Spring 2016

EVC CHARGE | WINDOWS METRO APP

May 2015 - Aug. 2016 | A charging station locator for electric vehicles

- Utilized **C#** and **XAML** to integrate UI with implementation
- Designed and programmed **custom Metro controls** to display station data
- Awarded **Best Application Award**, CodeDay Downtown Seattle Spring 2015

OTHER EXPERIENCE

EVANGELICAL CHINESE CHURCH OF SEATTLE

TEACHER, TAIWAN MISSIONS PROGRAM AND AWANA YOUTH LEADER

Sept. 2013 - Present | Redmond, WA & New Taipei City, Taiwan

- **Designed** and taught daily English lessons to 20+ underprivileged youth
- **Tutored** troubled students 1-on-1, markedly increasing content retention rates
- **Facilitated** daily reevaluations with fellow teachers of content and methods
- Supervised and **mentored** incoming youth leaders

COLUMBIA ATHLETIC CLUBS - PINE LAKE

JUNIOR TENNIS ASSISTANT & RACQUET STRINGER

Jan. 2014 - Sept. 2016 | Sammamish, WA

- Designed and **executed** lesson plans and drills for groups of 20+ youth
- Provided **1-on-1** technical and equipment insight to students and supervisors
- Fulfilled **multi-part orders** with an average turnaround time of **under 24 hours**

AWARDS

2017 University of Washington Annual Dean's List

2017 **3rd Place**, Google Games Seattle