Juliette Chirol Hill

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EDUCATION

University of Southern California – B.S. in Computer Science, 3.988 GPA   Expected Dec 2020
Troy High School, Fullerton, CA – Valedictorian, International Baccalaureate (IB) graduate   May 2017

WORK EXPERIENCE

Microsoft Corporation (Bing Engineering 2019 & Excel Omega 2020)   May – August 2019 & 2020
Software Engineering Intern (2020)   Redmond, WA
- Implement feature to facilitate user coauthoring experience on Excel spreadsheets (C++)

Explore Intern (2019)
- Contribute to Bing internal website to display data boosting efficiency of diagnosing sites (C# and Angular JS)

USC Computer Science Department   August 2018 – present
Teaching Assistant - Algorithms & Theory of Computing, Discrete Methods   Los Angeles, CA
- Teach mathematical problem-solving techniques to guide students solve complex problems

American Language Institute – University of Southern California   January – April 2018
One-on-One Language Partner   Los Angeles, CA
- Apply optimal language acquisition research to help international graduate students practice English

California Scientific Acupuncture Medical Center Inc.   July 2017 – August 2018
Medical Assistant   Whittier, CA
- Assist three doctors treating patients (15 to 40 a day); communicate in Mandarin to Chinese clientele

Cognitive Science Department – University of California San Diego   May – July 2016
Research Assistant Intern   La Jolla, CA
- Assist PhD student, Rose Hendricks, with research on functions of metaphors on thought and perception

PROJECTS and RESEARCH – See full list on jchirolhill.github.io

2nd Place Rose Hacks MLH Hackathon – One More Light (Catch Falling Stars to Help a Friend)   January 2020
- Developed C++ game in close collaboration with graphic artist

HikePool (Organize Carpools for Hiking Trips)   June – July 2019
- Designed and implemented frontend working closely with backend; jQuery and Python (www.mshikepool.com)

Toki (The Secrets of Language-Learning Revealed)   March 2019
- Developed Android app in Java for language acquisition from cognitive science research

1st Place ACM (USC Chapter) Hackathon – WeFood Website (Decide Where to Eat with Friends)   October 2018
- Designed and developed front-end interface; collaborated with back-end team members (salhacks.com)

Endangered Language Documentation for Ladin (Northern Italian Dialect)   May – June 2018
- Recorded and transcribed words and phonemes using Praat software during USC linguistics summer course

Southern California Conference for Undergraduate Research Oral Presentation   November 2017
- Integrating Cognitive Science and Computer Science to Transform Language Learning

SKILLS

Computer Skills: C++ (proficient), Java (intermediate), HTML & CSS (proficient), jQuery (intermediate), PHP (intermediate)
Languages: English (fluent), French (fluent), Mandarin (intermediate), Hindi (intermediate), Italian (intermediate)

ACTIVITIES

Online Language-Learning International Community Content Contributor and Practice Partner   2016 - present
- Teach English and French to foreigners; receive help for Mandarin, Hindi, Russian, and Italian (Skype and italki.com)

Bollywood Dance (USC Zeher Team), Traditional Chinese Dance, Ballet   2002 - present
- Performed in 11 shows; helped dancers learn choreography; volunteered backstage; fundraising