H E L E N   P A N G

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EDUCATION

Harvard University   2019 - 2023
BA in Statistics (Track: Data Science). Minor in Economics. Citation in Korean Language.
Relevant Coursework: Data Structures & Algorithms, Data Science, Machine Learning (MIT), Probability, Statistical Inference
Intermediate Macreconomics, Quantitative Finance, Uncertainty and Judgement in Finance

Oracle Certification: Java SE 8 Programmer (Exam 1Z0-808)   Sept. 2018

EXPERIENCE

Google   Mountain View, CA
STEP Intern – TSJS Team   June 2021 – Aug. 2021
- Implemented complete support for the 2022 ECMAScript public class fields feature for the JSCompiler
- Executed parsing/printing, support in the checks and optimizations, and transpilation of public class fields

Zesti (Tech Startup)   Cambridge, MA
Co-founder   Jan. 2021 – present
- Spearhead product design, lead UI/UX studies, and secured $1000+ funding for Zesti, a dating app startup launching Fall 2021
- Secured 2+ business partnerships with local restaurants where users can redeem discounts after matching on the app

TANG App (Fintech Startup)   Cambridge, MA
Engineer & Operations Fellow   Feb. 2020 – Jan. 2021
- Code mobile app features in React Native for TANG app, runner-up in the Harvard i-Lab Presidential Innovation's Challenge
- Assembled financials for first fundraising round ($3M valuation), designed marketing content, and built fraud detection system

Infosys Limited   Bangalore, India
Software Engineer Intern – NIA Chatbot Team   June 2020 – Aug. 2020
- Build REST API as backend Java utility to merge differences between JSON files based on user selection of key modifications
- Modify FuzzyWuzzy algorithm implementations in Python and Java for chatbot entity extraction

Harvard CS50: Introduction to Computer Science   Cambridge, MA
Course Assistant   Aug. 2020 – present
- Lead instruction and review of Python, C, JavaScript, HTML/CSS, and SQL concepts
- Host weekly code reviews, office hours, and tutorials for one of Harvard's largest classes (700+ students)

Harvard Association for US-China Relations   Cambridge, MA
Engineer & Operations Fellow   Sept. 2019 – Dec. 2020
- Directed logistics for 1400 attendees of G20 Summit partner HSYLC, the largest student-run educational conference in China
- Migrated operations to execute the first-ever fully remote HSYLC conference, and organized outreach for guest speakers

Seoul Broadcasting Station   Seoul, South Korea
Global Content Business Team Intern   Feb. 2021 – June 2021
- Devised marketing and pitching strategy for the selling of SBS' Korean reality television show formats to the United States
- Mapped out competitive landscape and generated contacts for SBS' entry to the Korean pop concert industry in America

PROJECTS

Harvard Class of 2023 Social Connections [https://jeremiah-kim.shinyapps.io/Social_Connections/]
- Surveyed over 400 students of the Harvard College Class of 2023 to analyze social connections and relationships
- Data cleaning, visualization, and social network analysis using R libraries including dplyr, ggplot2, networkX, igraph

Captionr [https://github.com/helenlpang/captionr]
- Led team in developing full-stack social media platform for picture sharing, captioning, and ranking in real time
- ReactJS/Apollo/GraphQL/PostgreSQL/NodeJS stack

SKILLS + ACCOLADES

Technical: Java (Oracle Certified: Exam 1Z0-808), Python, C, SQL, R, JavaScript, React, Git, HTML/CSS

Olympiads: USA Computing Olympiad Silver, American Invitational Mathematics Exam (AIME), MIT Math Prize for Girls

Scholarships: US Presidential Scholar Semifinalist, Coca-Cola Scholar Semifinalist, National Merit Finalist (ACT: 36)