

Justin Shaw

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Freshman at the University of Washington intending to study Computer Science and Applied Mathematics. My portfolio, above, contains a more detailed collection of all my past projects.

EXPERIENCE

RESEARCH ASSISTANT – *UNIVERSITY OF WASHINGTON, SEATTLE*

DEC 2019 – PRESENT

Developing dimension-reduction techniques for interpreting neural networks while working with the UW GEMSEC team to analyze the mechanics of protein folding.

ENGINEERING INTERN – *ENGITYPE 3D PRINTER SALES & SERVICE, SEATTLE*

JUN 2019 – SEP 2019

Designed and built a device that greatly increased the shelf life of SLA resin tanks, streamlined and automated the company's inventory & part-quoting systems, and worked closely with our maintenance team while servicing Formlabs and Markforged printers.

iOS DEVELOPER – *PREP TIMER FOR SPEECH & DEBATE*

APR 2018 – MAY 2019

Learned Swift and built a speech-timing app that reached over 1M page views and 4K downloads. Each year, 100% of the net revenue is donated to the Urban Debate League (NAUDL), a non-profit that helps promote advocacy skills for underprivileged youth.

SKILLS

LANGUAGES – PYTHON, HTML, CSS, JAVASCRIPT, JAVA, C, DART, SWIFT

FRAMEWORKS & TOOLS – BOOTSTRAP, FLUTTER, FIREBASE, ILLUSTRATOR, ADOBE XD

SOFT SKILLS – SOCIABLE, CREATIVE, INQUISITIVE, HARD-WORKING, ORGANIZED

EDUCATION

UNIVERSITY OF WASHINGTON

SEP 2019 – PRESENT

Pursuing a degree in both Computer Science and Applied Mathematics.

GIG HARBOR HIGH SCHOOL

SEP 2015 – JUN 2019

AP Scholar with Distinction, National Commended Scholar, and Capstone Diploma.

ACHIEVEMENTS

RESEARCH PAPER – *THE YOUNG RESEARCHER (JOURNAL)*

SEP 2017 – AUG 2018

Wrote a research paper on how color temperature affects hydroponic seedlings growth that was published in an international, peer-reviewed research journal for high school students.