

## Education

University of Chicago (Chicago, IL)	<i>Expected June 2020</i>
<ul style="list-style-type: none"><li>B.A. in Statistics, Minor in Computer Science</li><li><i>Honors Include:</i> Dean's List (2017, 2018)</li><li><i>Relevant Coursework:</i> Algorithms and Data Structures, Numerical Linear Algebra, Applied Regression Analysis, Statistical Theory and Methods, Computer Systems (<i>current</i>), Machine Learning in Medicine (<i>current</i>)</li></ul>	GPA: 3.24/4.0

## Skills

- Backend:* Python (NumPy, Pandas), Java, C
- Data:* R, SQL, Excel, CSV/JSON manipulation
- Frontend:* JavaScript, jQuery, HTML, CSS
- Teamwork:* Git repository collaboration

## Work Experience

<b>American University (Xiao Lab),</b> Washington, DC <i>Computer Science Research Intern</i>	<i>August 2019 – present</i>
<ul style="list-style-type: none"><li>Built an <a href="#">algorithm</a> in Python to randomly sample video triplets from a space of over 95 million combinations for an experiment studying human perception of simulated cloth videos</li><li>Devised a metric to calculate a '<a href="#">hardness score</a>' for each trial to produce a sample with a Gaussian distribution of difficulties</li><li>Built a <a href="#">website</a> in JavaScript and HTML/CSS and set up a virtual private server (VPS), allowing us to administer the experiment at a significantly faster speed and increase our data from 1500 video triplets to the desired 5000</li></ul>	

<b>Digital Observer,</b> Naknek, AK <i>Quality Control (QC) Technician</i>	<i>June 2018 – July 2019</i>
<ul style="list-style-type: none"><li>Enforced quality requirements regarding the chilling, bleeding, and floating of over 1 million pounds of salmon for a fleet of 200 fishermen in Bristol Bay, the world's largest sockeye salmon fishery</li><li>Collaborated with fellow QC technicians, tender captains, and fleet managers as a team responsible for an estimated \$40 million in cannery quality bonuses to fishermen</li></ul>	

<b>Georgetown University (Hamilton Lab),</b> Washington, DC <i>Population Genetics Research Intern</i>	<i>June 2015 – September 2015</i>
<ul style="list-style-type: none"><li>Performed polymerase chain reaction (PCR), gel electrophoresis, and DNA fragment analysis (using an ABI Prism 3100) to analyze and quantify genetic variation in over 400 striped bass (<i>Morone saxatilis</i>)</li><li>Wrote a research paper, presented a <a href="#">PowerPoint</a>, and participated in a poster session with peers to discuss my findings</li></ul>	

## Activities

<b>College Council,</b> Chicago, IL <i>Class of 2020 Representative</i>	<i>September 2017 – June 2018</i>
<ul style="list-style-type: none"><li>Won an election for class representative and voted on student government (SG) resolutions promoting student equity</li><li>Voted to approve or disapprove funding decisions of the SG finance committee – the primary funding source for registered student organizations – which is responsible for disbursing nearly \$300,000 each year</li></ul>	

## Projects

<b>Retirement Calculator</b>
<ul style="list-style-type: none"><li>Calculates in Python how a given retirement <a href="#">portfolio</a> would have fared historically, using S&amp;P 500 returns data, to help plan optimal savings based on the user's annual spending and retirement length</li></ul>
<b>Bristol Bay Pay Day: a predictive model</b>
<ul style="list-style-type: none"><li>Uses ex-vessel fish prices since 1984 and various economic variables to predict how much fishermen will be paid per pound of salmon – a figure that Alaskan canneries do not release until salmon season is nearly over</li></ul>