

## Education

<b>Lewis &amp; Clark College</b> — <i>Portland, OR</i>	<b>September 2018 - May 2022</b>
<ul style="list-style-type: none"><li>Bachelor of Arts, Computer Science and Mathematics, minor in Physics</li><li>Honors: <i>summa cum laude</i> (GPA: 3.99), Sigma Pi Sigma (national physics honor society)</li><li>Scholarships: Neely Merit Scholarship, Templeton National Merit Scholarship</li></ul>	

## Work Experience

<b>Peer Tutor   Lewis &amp; Clark College</b> — <i>Portland, OR</i>	<b>September 2019 – May 2022</b>
<ul style="list-style-type: none"><li>Tutored math, physics, and computer science students.</li><li>Identified specific topics to practice with students to clarify their understanding.</li></ul>	
<b>Summer Research Intern   Lewis &amp; Clark College</b> — <i>Portland, OR</i>	<b>May – July 2021</b>
<ul style="list-style-type: none"><li>Researched secure computing system development through formal verification.</li><li>Prototyped multithreaded prime number generator on seL4 microkernel and encrypted communication protocol for a networked thermometer device.</li></ul>	
<b>Software Engineering Intern   NCAR Earth Observing Laboratory</b> — <i>Boulder, CO (remote)</i>	<b>May – July 2020</b>
<ul style="list-style-type: none"><li>Developed a web interface using React and Highcharts to display diagnostic information so scientists can easily monitor their data acquisition systems.</li><li>Presented a poster summarizing the project at NCAR's poster symposium.</li></ul>	
<b>Web Development Intern   Field Day</b> — <i>Los Angeles, CA (remote)</i>	<b>May – August 2019</b>
<ul style="list-style-type: none"><li>Modernized React date picker component in dashboard web app.</li></ul>	
<b>Program Instructor   The Mountaineers</b> — <i>Seattle, WA</i>	<b>June 2017 – August 2018</b>
<ul style="list-style-type: none"><li>Taught rock-climbing skills in summer camps and workshops for all ages.</li><li>Supervised and ensured climbing-wall safety, and trained other instructors.</li></ul>	
<b>File Clerk   Siderius Lonergan &amp; Martin, LLP</b> — <i>Seattle, WA</i>	<b>April 2016 – August 2018</b>
<ul style="list-style-type: none"><li>Organized office spaces to maximize productivity.</li><li>Handled bank transactions, filing, sorting, and other errands to keep the office running smoothly.</li></ul>	

## Activities and Projects

<b>Club Leader   Lewis &amp; Clark ACM Student Chapter</b>	<b>May 2019 – May 2022</b>
<ul style="list-style-type: none"><li>Organized events, including talks and hackathons, with other members of Lewis &amp; Clark's Association for Computing Machinery Student Chapter, increasing engagement with the Computer Science department.</li></ul>	
<b>Competitions</b>	
<ul style="list-style-type: none"><li>Pacific Rim Collegiate Cyber Defense Competition<ul style="list-style-type: none"><li>Configured Linux servers for security and reliability.</li></ul></li><li>National Cyber League<ul style="list-style-type: none"><li>Ranked in the top 10% across a range of cybersecurity skills.</li></ul></li></ul>	
<b>Raytracer   <a href="https://github.com/linusbrogan/graphics">github.com/linusbrogan/graphics</a></b>	<b>May 2022</b>
<ul style="list-style-type: none"><li>Developed a 3D rendering program in C, which supports various shapes with realistic lighting.</li></ul>	
<b>Tetris   <a href="https://github.com/linusbrogan/tetris">github.com/linusbrogan/tetris</a></b>	<b>December 2019</b>
<ul style="list-style-type: none"><li>Implemented the classic game Tetris in Java with a team of several students.</li></ul>	
<b>Onion Forecast   <a href="https://github.com/linusbrogan/bonion">github.com/linusbrogan/bonion</a></b>	<b>December 2018</b>
<ul style="list-style-type: none"><li>Built a website using Node.js and Docker to give a daily onion "weather forecast" for meals in Lewis &amp; Clark's dining hall with data from its API.</li><li>Worked in a team of students, winning second place in a Lewis &amp; Clark hackathon.</li></ul>	

## Skills

### Languages

JavaScript, Java, C, HTML, CSS

### Technologies and Tools

Git, Node.js, Bash, Linux systems, React, Jupyter notebooks, Docker