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Splunk
San Francisco, UT

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To Whom It May Concern,

I'm writing to express my interest in the Software Engineering Internship at Splunk. My experience with programming, teaching computer science, and my strong desire to learn new technologies makes me an exceptional candidate for this position. Through my coursework and personal side projects, I have demonstrated aptitude in key skills sought by Splunk including an understanding of data structures and algorithms as well as the use of best practices in writing C, C++, and Python.

At the time of my acceptance into the computer science post-baccalaureate program at Oregon State University, I had little programming experience. Despite holding a full-time job throughout this program, I have maintained a high level of performance in my education. I believe the principal reason for this is that I am passionate about learning new technologies. One skill-set I taught myself is Arduino, soldering, and working with hardware. I built a simple Data Acquisition System that measures soil moisture readings from four soil moisture sensors, displays the measurements to an LCD screen, logs them to a microSD card, and sends the data over Serial connection to a computer. A link to this project's GitHub repository can be found on my resume.

At the BeaverHacks Winter 2018 Hackathon, a team consisting of two other students and myself built a C^{++} console-based journaling application for mindfulness. We incorporated user accounts, encryption that makes the log files unreadable to humans, and a feature that displays random happy memories from your user log of entries. A link to the GitHub repository for this project can be found on my resume. When the results were announced, we were astounded to find that we did not just win our category, one created for introductory students, but had won the overall first place prize instead.

As a teaching assistant for introduction to computer science at Oregon State, I am responsible for reading, debugging, and critiquing code written by my students. This has sharpened my debugging skills; it has also made the importance of writing properly documented and styled code clear to me. Another responsibility I have is showing students why their code did not perform as they expected, though they may not yet understand the technical details at hand. I have helped teach new students the introductory curriculum in C^{++} for 3 terms. However, as of Fall 2019, the course is being taught in Python; I have assisted in proofing, testing, and debugging the new course materials.

Based upon my experience, my desire to learn, and my attention to detail, I believe I am an ideal candidate for this position. Please contact me for any additional information that you would like. Thank you for your time and consideration.

Sincerely,

Jordan Bartos