

# Kevin Lee

*Aspiring Software Engineer*

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An avidly growing programmer who has strong object-oriented programming skills, solid understanding of data structures and algorithms, and a penchant for writing optimal code.

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## Education

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### University of Washington, Seattle

CLASS OF 2022

2018 - 2019: Computer Programming I & II

2019 - 2020: Web Programming (JS, SQL, HTML/CSS) , Data Structures and Algorithms (Java), Intermediate Data Programming (Python)

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## Projects

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### Blog Website

Currently coding a full stack blog web application with user flow and other general blog functionality. Using Flask Web framework and a SQL database to persist user and blog data.

### Guitar Simulation

Created a computer keyboard playable guitar with object oriented programming, utilizing the Karplus-Strong Algorithm to replicate accurate pitches, pluck vs pick sounds, and frequencies (Java).

### Huffman Encoding Tree

Implemented a compression scheme using a Huffman encoding tree to losslessly compress text files based on character frequency (Java).

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## Experience

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### Audio Visual Lights Team - Media Director

September 2017 - Present, Seattle Onnuri Church

Volunteer to manage multiple channel sound system to provide optimal sound for various bands, solving various technical problems.

### Student Technology Loan Program - Assistant

July 2019 - Present, University of Washington

Facilitate equipment reservation requests using an online reservation system. Familiarization of satellite office locations and differences in equipment stock.

### Technology Student Association - Reporter

July 2016 - June 2018, Henry M. Jackson High School

Drove communication efforts for school chapter of 50 students through multi-media channels. Helped coordinate district-wide competitions.

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## Computer Skills

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OOP. Java. Python. HTML/CSS. JavaScript. SQL. Web Development.