ALEX M. HARVEY

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QUALIFICATIONS SUMMARY

Computer programming, web/game design, music performance and composition, management, and customer service.

EDUCATION

- **University of North Carolina-Chapel Hill,** Junior, graduation May 2022, GPA 3.3 (Dean's List 2 semesters)
  - **Major: B.S. Computer Science**
    - Languages: below
    - Relevant coursework: Computer Organization; Data Structures; Physical Computing; Introduction to Mechatronics; Algorithms and Analysis; Models of Languages; Discrete Structures; Bioalgorithms (spring '21); Programming Language Concepts (spring '21)
  - **Minor: Music**
    - Instrument: classical guitar
    - Relevant coursework: Physics & Music, Theory, Classical Guitar Ensemble (four semesters).
- **High School, Asheville, NC,** June 2018 (graduation), GPA 4.58 (weighted)
  - Coursework includes **28 dual-enrolment credit hours** at AB-Tech Community College (GPA: 4.0 unweighted, President's List)

EXPERIENCE

- **Coding and Computer Applications**
  - Languages: **Java, Python, C, C#, C++, Typescript, JavaScript, PHP, HTML, CSS, MIPS, Windows Batch**
  - As a team member designed, coded, and also composed music for an online multiplayer game, Spicy 9 Adventure (https://www.kmpunc.com/).
    - Runs on a custom **JavaScript** engine rendered using specialized HTML and CSS aided by **jQuery** library.
    - Used both the VS Code **Live-Share** plugin and a dedicated **Github** branch.
    - Filled many different roles when needed, from A.I. programming to map design.
  - Designed a single-player video game using the **GameMaker** engine in Global Game Jam.
- **Music and Performance**
  - Transcribed Brian Patrick Carroll's *Beyond the Knowing* into sheet music for UNC individual guitar lessons.
  - Performed in the UNC classical guitar ensemble; hired to perform solo guitar or piano at large weddings.
  - Worked with different mixing softwares, including **Cubase**, **Adobe Audition**, and **GarageBand.**
- **Customer Service and Communication**
  - Interfaced directly with customers as a lifeguard for 3 summers, including resolving customer complaints and communicating with upper-level management.
  - Responded to all phone inquiries as an office assistant for the UNC Bands department.
- **Management**
  - As assistant manager at a pool, scheduled shift order, delegated and directed tasks, attended manager meetings in place of manager, and communicated directly with upper level management.

WORK HISTORY

- **Assistant Manager**, Swim Club Management Group, (SCMG), LLC, Asheville, NC (May 2020 – August 2020)
  - ±40 hrs/week, opened and closed frequently, including 5:30am shift.
- **Head Lifeguard**, SCMG, (May 2019 – August 2019)
- **Lifeguard**, SCMG, (May 2018 – August 2018)
- **Office Assistant**, UNC Bands, Chapel Hill, NC (August 2018 – May 2019)

OTHER CERTIFICATIONS AND SKILLS

- **UNC BeAM (makerspace) certifications:** Laser Cutter, 3D Printer, Machine Shop, Sewing, Embroidery Machine
- **American Red-Cross** Lifeguarding/First Aid/CPR/AED certification
- **Band member** (electric guitar, acoustic guitar, vocals, keyboard, bass)

VOLUNTEER WORK

- **Church music teams:** perform acoustic and electric guitar, bass, and vocals.
- **ABCCM:** volunteered at soup kitchen.

REFERENCES AVAILABLE UPON REQUEST