CHASE KING
Student at the University of Washington

I am a curious and self-motivated college junior studying computer science, applied mathematics, and computational neuroscience. I believe technology is used to its fullest potential when it builds strong communities and inspires people to achieve their own goals.

TECHNOLOGIES

- ◆ ◆ ◆ ◆ ◆ Java, JavaScript, HTML/CSS
- ◆ ◆ ◆ ◆ ◇ Python, React, NodeJS, Git, LaTeX
- ◆ ◆ ◆ ◇ ◇ MongoDB, Redis, PHP

ATHLETICS / ACTIVITIES

Audi Cycling Team (Kryki Sports sponsored by Audi Bellevue)
Sep 2018 - Present

- Race in Pro/Category 1/Category 2 USA Cycling races in the Pacific Northwest and on the West Coast.
- Connect and engage with teammates, many of whom work at companies including Microsoft, Amazon, and T-Mobile.

Husky Cycling Club, *Admin/Officer*

- Lead weekly group rides students and help foster a community of cycling enthusiasts with diverse backgrounds and interests.
- Help organize UW collegiate race weekend (permits, travel, housing)
- Spring race weekends with other PNW universities.

Machines Who Learn *Sep 2018 - Present*

- UW reading group discussing ML and AI research papers.

CONTACT

- Web: chaseking.me
- Email: chasek22@uw.edu
- Github: @chaseking
- LinkedIn: in/chase-king
- Strava: athletes/chaseking

(References available upon request.)

EDUCATION

University of Washington   *Sep 2018 - Present*
GPA: 3.92 / 4.0   *Graduation expected June 2022*

- B.S. CS (Paul G. Allen School of Computer Science & Engineering)
- B.S. ACMS (Applied & Computational Mathematical Sciences: Data Sciences & Statistics)
- Minor in Neural Computation and Engineering
- Relevant Coursework: Honors Multivariable Calculus, Machine Learning, AI, Algorithms, Probability, Optimization

WORK EXPERIENCE / PROJECTS

Beewriter, *Full Stack Engineer*   *Jan 2020 - Present*

- Utilized NLP techniques and machine learning models to detect grammar mistakes and provide further writing suggestions
- Converted backend to AWS Lambda to ensure scalability
- Implemented logging and tracking tools to track site usage
- Redesigned website, making it responsive on mobile devices

Web Development Intern (Marin Academy)   *2017 - 2018*

- Wrote and designed a front- and backend responsive web application for a campus communication system known as the daily bulletin.
- Built a touchscreen kiosk application for student and guest usage.
- Rolled out custom digital signage across campus
- Tools and technologies used include: HTML/CSS, PHP, NodeJS, React, WordPress, Google APIs, Raspberry Pi.

Freelance Software Development   *2012 - Present*

- Develop personalized web applications for clients.
- Utilized TensorFlow to train a model for detecting cheating players on Minecraft multiplayer game servers

HuddleMC, LLC, *Co-Founder, Lead Developer*   *2014 - 2016*

- Implemented backend architecture allowing for seamless cross-communication between multiple dedicated servers and dynamic node allocation (based on minigame demand).
- Developed a web panel for server status and management
- Used profiling tools to develop highly-optimized Java code for multiplayer Minecraft servers, improving free memory by over 40%.
- Tools and technologies used include: Java, MongoDB, Redis, HTML/CSS, JavaScript, Python.

CHASE KING

Software Engineer