






# Amay Bansal

Computer Science Student at University of Washington

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## EDUCATION

**UNIVERSITY OF WASHINGTON** | BACHELORS IN CS, MINOR IN ENTREPRENEURSHIP

2021-Present

→ **Current Courses:**

- **CSE312:** enumeration and discrete probability; applications of randomness to computing; polynomial-time versus NP; and NP-completeness
- **CSE332:** abstract data types and structures including dictionaries, balanced trees, hash tables, priority queues, and graphs; sorting; asymptotic analysis; fundamental graph algorithms including graph search, shortest path, and minimum spanning trees; concurrency and synchronization; and parallelism

→ The Hardware Software Interface • Intro to Accounting • Foundation of Computing

→ **Cum. GPA 3.97/4.0**

**BELLEVUE COLLEGE** | RUNNING START

September 2020 - June 2021

- Calculus Based Physics 1 and 2 • Microeconomics • Data structures in Java
- Calculus 3 and 4 • Differential Equations • Linear Algebra
- Intro to Web Development
- **Cum. GPA 4.0/4.0**

## EXPERIENCE

**INSTITUTE FOR SYSTEMS BIOLOGY** | COMPUTATIONAL MODELING

July 2020 - January 2021 | Seattle, WA

- Worked with 3 other students to analyze factors affecting algae biofuel cultivation using Jupyter Notebooks and Python Libraries
- Skills Learned: **Jupyter Notebooks, Python, Statistical Analysis, Data Analysis**
- [Link to Project Page](#)

**MICHAEL A. MACINNES DENTISTRY** | DENTAL ASSISTANT

July 2021 - September 2021 | Sammamish, WA

- Performed a variety of tasks in the general dental healthcare practice including Prophylaxis, taking X-Rays, CT scans, taking impressions for crowns, sterilizing rooms, maintaining infection control, and communicating with patients.
- Skills Learned: **Communication, Teamwork, Customer Service**
- [Michael Macinnes Dentistry Website](#)

**JUNIOR CHESS ACADEMY** | FOUNDER AND CHESS COACH

March 2020 - Present | Sammamish, WA

- Started a chess company to teach and train kids to play chess
- Skills Learned: **Entrepreneurship, Web Development, Leadership, Marketing**
- [JCA Website](#)

## AWARDS

2021 USA Presidential Scholar Semifinalist 1 of 625 HS Seniors selected in the US

## SKILLS

### PROGRAMMING

Proficient:

C • JavaScript • CSS • HTML

Experienced:

Python •  $\text{\LaTeX}$  • Java • Pandas • Numpy

Familiar:

Shell • Assembly

## ACTIVITIES

### UW FINANCE ASSOCIATION

MEMBER

Sep 2021 - Present | Seattle, Washington

### UW CHESS CLUB

MEMBER



Sep 2021 - Present | Seattle, Washington  
1900 rated

## REFERENCES

**Francis Yoon**, Dentist, Michael A MacInnes Dentistry

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**Brad Stenslad**, CEO, AllAboutChess

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