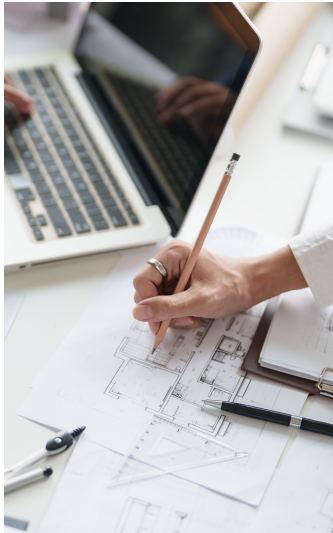




CAREER E-SANDBOX

OVERVIEW

Career E-Sandbox takes results from popular personality tests and gives you visibility into career paths for your profile.



NEED CAREER CLARITY? EXPLORE THE POSSIBILITIES

THE MISMATCH PROBLEM

Many post-secondary students face uncertainty regarding their current career or program trajectory. While a student may not necessarily hate their current path, they can still feel uncommitted or unmotivated. This mismatch often stems from misalignments related to personality or preferences.

Following a wrong path can lead to wasted time and money. Students may also be more susceptible to burnout and graduating without a clear direction.

While many existing tools aim to help individuals find an ideal career path, they are neither comprehensive nor tailored to an individual's unique profile. Not only that, but students report that career exploration is a stressful experience.

 **50-70%**
Switch majors at
least once^[1]

 **25%**
Would select a
different program^[2]

PERSONALITY TESTS

- Astrology
- Big Five Model
- Chinese Zodiac
- Clifton Strengths
- DiSC Assessment
- Enneagram
- Myers-Briggs Type Indicator
- Sparketype Test

THE SOLUTION

To address career or program mismatch, the Career E-Sandbox is designed to guide students by considering their personality and preferences. The platform utilizes Large Language Models (LLMs) to process user inputs and deliver career suggestions based on an individual's profile. Unlike other career exploration tools, it utilizes recognizable personality tests to provide outputs based on users' identities and preferences.

THE RESULTS

MATCH PERCENTAGE

Ranks careers from strongest to weakest fit based on how closely they align with your profile.

PROS & CONS

Highlights which of your specific personality traits a career satisfies, and where it falls short.

MARKET DATA

Salary range, job growth outlook, and education level are shown for every career on the list.

BEST & WORST FIT

Not only does it list and explain the careers to pursue, but it also lists the ones to avoid.



THE BUILD APPROACH

The platform was designed with a sandbox philosophy to give users creative flexibility and alleviate the stress of career exploration. The interface is user-friendly and allows students to easily adjust their personality parameters. Students may choose from a wide variety of personality types and preferences.

The platform is low-cost, and easily buildable so that anyone can build their own Career E-Sandbox.

FUTURE OF THE PROJECT

Moving forward, we are continuously developing and testing the application to improve its features. To expand our impact, we are also actively seeking institutional partners and exploring integrations with existing organizations. Additionally, we are planning to have further development with work-integrated learning or pilot programs.

BENEFITS

- 1 Improve student outcomes
- 2 Mitigate mental health problems and lower chance of burnout
- 3 Reduce career mismatch and program switches
- 4 Enhance existing career advising systems
- 5 Improve long-term workforce alignment
- 6 Promote critical thinking and AI literacy

RELEVANCY

With the rapid acceleration of Artificial Intelligence (AI), the importance of career exploration tools has risen. The disruption caused by AI has increased job uncertainty and reduced students' trust in long-term career or academic programs. This makes career guidance more needed than ever.

REFERENCES

- [1] University of Toronto Mississauga Career Centre. (n.d.). Choosing your program. Retrieved from: <https://www.utm.utoronto.ca/careers/career-planning/career-planning-year/choosing-your-program>
- [2] BC Student Outcomes Program. (2024). The 2024 highlights. Retrieved from: <https://outcomes.bccstats.gov.bc.ca/app/uploads/sites/873/2025/06/The-2024-Highlights.pdf>