

ARVINDER SINGH

Socially-minded architect adopting an interdisciplinary approach to today's problems through the use of artificial intelligence. My career focuses on using spatial tools to address climate change and various socio-cultural issues.

EDUCATION

Taubman College of Architecture, University of Michigan

Ann Arbor MI | 2019

Bachelor of Science in Architecture, James B. Angell Scholar, Dean's List

Grand Rapids Community College

Grand Rapids MI | 2017

Associates of Arts (Architecture), Dean's List

EXPERIENCE

Michigan Student Artificial Intelligence Lab - Co-Editor & Designer

Ann Arbor MI | Oct 2020 - Present

- Edited and reviewed monthly blog posts related to AI and technology.
- Created multiple artworks for MSAIL's website and blog posts - <http://msail.github.io/>.
- Attended bi-weekly talks and discussions on new publications and papers within the field of AI.

Edge Design Associates, Inc. - Architectural Designer

Ann Arbor MI | Jul 2019 - Dec 2020

- Drafted various commercial projects around Detroit, from conceptual design to shop drawings.
- Expedited and automated tasks using tools like Dynamo.
- Projects: Baker College at Royal Oak, the Dot at Ferndale, renovations at Ann Arbor District Libraries.

optiMize Social Challenge - Team Lead

Ann Arbor MI | Oct 2019 - Feb 2020

- Drafted, designed, and prototyped a cloud-based app for improving awareness of global issues.
- Managed a team of four to develop a social-impact project; planned, organized, and led all meetings.
- Presented the prototype to other challengers and pitched project to optiMize panel.

Dimensions 32 - Taubman College Annual Journal - Co-Editor

Ann Arbor MI | Sep 2018 - Apr 2019

- Collaborated with a student team to compile selected Taubman College student and faculty-work.
- Facilitated resolution of manuscript queries related to text-editing, cover design, and layout.
- Played a key role in keeping the production process on schedule by preparing for final prints.

Hamilton Anderson Associates - Spring Extern (Architecture)

Detroit MI | Mar 2019

- Investigated multiple design strategies for HAA 25th-Anniversary Book design and cover.

ZGF Architects LLP - Spring Extern (Architecture)

Los Angeles CA | Feb 2018

- Collaborated with interior design team for re-imagining rooms in Google's Playa Vista LA Office.

Akoaki- Undergraduate Research Program - Research Fellow

Detroit MI | Jun 2016 - Aug 2016

- Assisted Prof. Anya Sirota with preparing for the 10th Saint Etienne International Design Biennale.
- Produced plans and elevations of plots and existing buildings after taking measured site surveys.
- Managed layout and transcription of Akoaki's annual publication: The ONE Mile Zine 2.

Orientation Team - Student Ambassador

Grand Rapids MI | May 2016 - Jun 2017

- Assisted and coordinated with college staff to run incoming student orientations efficiently.
- Actively led weekly orientations through presentations, campus-tours, and student enrollments.
- Demonstrated strong communication skills and the ability to learn administrative systems quickly.

Savvy Crafts Furniture Manufacturing - Production Assistant

Various Locations | 2015, 2017, 2018

- Oversaw on-site production of key interior design projects all across India.
- Managed material inventory and purchase, on-site labor efficiency, and client presentations.
- Projects: The Palace (Chail), Hotel Holiday Home (Shimla), Filmy Keeda Production House (Mumbai).

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Providence, Rhode Island

AFFILIATIONS

President of International Students Organization GRCC

Drafted and piloted peer-mentor program 2017

Member of Phi Theta Kappa Honors Society 2016

Professional Development Committee: Alpha Kappa Psi Business Fraternity 2015

AWARDS

Wallenberg Studio Thesis Award

One of 3 Studio Finalists 2019

Structures II Heavyweight Record

2nd place for holding 410lbs on 4-oz basswood tower 2019

Taubman College Student Show

One of 15 students to represent the college 2018

ACADEMIA

Architecture Guest Critic at University of Minnesota

Gabriel Cuellar May 2021

SKILLS

Machine Learning

Python | PyTorch | Pandas
Numpy | Generative Modeling

Web Development

HTML | CSS | JavaScript |
ReactJS

3D Tools (Architectural)

AutoCAD | Revit | Rhino 3D
SketchUp | Grasshopper
Esri ArcGIS | Unreal Engine 4

Visualization

Photoshop | Illustrator
AfterEffects | Premiere
InDesign

LANGUAGES

English | Punjabi | Hindi