# Erkhembaatar Unenbat

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## EDUCATION

**Princeton University**                                                                                                          Princeton, NJ
Bachelor of Science in Engineering (B.S.E.)                                                              Graduated May 2024
Major in Computer Science; Certificate in Statistics and Machine Learning
Relevant Coursework: Data Structures and Algorithms; Computer Vision; Data Science; Machine Learning; Blockchains; Information Security; Advanced Programming Techniques; Distributed Systems

## RELEVANT EXPERIENCE

**Full Stack Software Engineering Intern**                                                                           Remote
Ticket Wallet (startup preparing for launch)                                                       Jun 2023 – Aug 2023
- Led third party service integrations such as Stripe payment and OAuth
- Built and designed the front-end website with a team of developers
- Developed and managed a well-functioning back-end API using a Django REST framework
- Troubleshooted, debugged, and upgraded databases and front-end UI

**Web Developer**                                                                                                                Princeton, NJ
The Daily Princetonian                                                                                      Feb 2023 – Sep 2023
- Created web-based projects by collaborating with other teams
- Designed interactive web pages using modern web development tools and frameworks
- Developed and contributed to projects that were displayed on the Daily Princetonian website

## PROJECTS

**Bitcoin Client** | *Rust*                                                                                        Aug 2023 - Nov 2023
- Created a fully functioning Bitcoin client with Rust using the account-based transaction model

**Grayscale to Color Image Model** | *Python, PyTorch*                                               May 2023
- Designed and created a convolutional neural network modeled after ResNet-18 using PyTorch

**VitalMap** | *Python, Flask, PostgreSQL, Render. Bootstrap, AJAX, jQuery*              Sep 2022 - Dec 2022
- Developed a full-stack web application that gives a live map of campus contraceptives and menstrual products on campus

## TECHNICAL SKILLS

**Programming Languages**: Python, Java, C, Postgres, MySQL, SQLite, JavaScript, HTML/CSS, R, markdown, Assembly, GDScript, Rust, Golang
**Developer Tools**: Git, emacs, IntelliJ, RStudio, GNU Programming tools, Godot, Linux
**Frameworks**: Flask, PyQt5, Django, REST APIs, React, NextJS, Stripe API
**Libraries:** NumPy, Matplotlib, pandas, Bootstrap, PyTorch

## WORK EXPERIENCE

**Office Support**                                                                                                              Princeton, NJ
Office of Religious Life                                                                                      Sep 2021 – May 2023
- Assisted faculty with the distribution of flyers and letters at various other locations around campus
- Maintained office workflow with errands, mailings, and disposal of unneeded sensitive documents
- Constructed posters, flyers, and advertised future campus events

**TigerCall Student Caller**                                                                                         Princeton, NJ
Princeton Annual Giving                                                                                      Sep 2022 – Jan 2023
- Called and gave thanks to alumni who had donated the year before
- Established connections with alumni and collected donations and offers
- Collaborated with supervisors to work towards increasing funds for students on financial aid