

EDWARD ZHANG

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EDUCATION

University of Florida (UF) - Gainesville, FL **Projected Grad Date: Spring 2023**
B.S. Computer Engineering, B.S.B.A Finance **GPA 3.96/4.00**

- **Coursework:** SW Testing & CD, Algorithm Design, OS, Competitive Programming, Microprocessors
- **Honors:** Dean's List, Benacquisto Scholarship, National Merit Scholar, Eta Kappa Nu

WORK EXPERIENCE

Google - New York City, NY **May 2022 - Present**
Software Engineer Intern – Drive Sharing Team

- Migrated access fixer dialog for Google Docs comments and Google Calendar to new styling with UX fixes.
- Designed and implemented changes to Drive's access fixer API and dialog to improve specificity of fix options.
- Led UX reviews and owned client rollout to production, including monitoring, bug fixes, and ramping.
- **Technologies/Tools:** Java, TypeScript, unit and integration testing, HTML templating, Mercurial VCS

Unison Live Autograder (Canvas LTI Tool) - Gainesville, FL **January 2022 – May 2022**
Software Developer

- Created a Docker container development environment to significantly reduce setup time for new developers.
- Designed and launched changes to a Django backend to detect copied courses and automatically move content.

Florida Institute for Cybersecurity Research - Gainesville, FL **January 2021 – May 2022**
Undergraduate Researcher – Worked under Dr. Domenic Forte on the AutoBOM project

- Designed a preprocessing algorithm to extract a novel dataset from optical images to train on CycleGAN models.
- Preprocessed images taken from the LSUN dataset to train and tune a generative adversarial network (StyleGAN2) on UF's HiPerGator supercomputer using Python scripts to allocate resources and run network training code.
- Extracted and processed topological data using toolkits to successfully identify components within an image.

NextEra Energy - Juno Beach, FL **May 2021 – August 2021**
Information Technology Intern – Cost & Performance

- Increased allocation of \$25 million general software purchases from unclassified to specific NextEra IT applications from 3% to 54% by collaborating with product owners, financial analysts, and TBM experts.
- Developed an app and wireframes to reduce wasted spend by \$2 million and win the Highest Energy award.
- Developed Excel macros using Office VBA to automate spreadsheet creation, reducing production time by half.

Dow Jones – New York City, NY **June 2019 - August 2019**
Innovation Lab Intern

- Developed a pitch deck for a marketing campaign to drive WSJ-sponsored college activations.
- Researched and presented suggestions to senior leadership on an app concept targeting younger generations.

LEADERSHIP AND INVOLVEMENT

Theta Tau Engineering Fraternity – Professional Development Chair (2022) **January 2021 - Present**
Eta Kappa Nu (HKN) Honor Society - ECE Curriculum Chair (2020-2021) **January 2020 - Present**

PROJECTS

Software Testing REST API Development **August 2021 – December 2021**

- Developed a REST API for financial functions using Cloud Firestore for API key storage and access logging.
- Implemented test-driven development with automated unit tests and integration tests for external dependencies.
- Deployed application on Google App Engine and created Docker container for local hosting.
- **Technologies/Tools:** Node.js, Express, Cloud Firestore, Google App Engine, CI, Integration/Unit Testing, Docker

Gatorloop Inventory Management System (IMS) – Agile Project Manager **January 2021 – May 2021**

- Managed a five-person agile team to build and deploy a web app with MongoDB backend and login features.
- Directed scrum meetings, controlled project scope, and collaborated with the client to develop product vision.
- **Technologies:** MERN stack (MongoDB, Express, React, Node), Git, Agile Scrum.

TECHNICAL SKILLS / INTERESTS

Skills: C++ (Expert), Git (Expert), Python (Intermediate), Java (Intermediate), JavaScript (Proficient)

Interests: Machine Learning, Project Management, Full-Stack, Computer Vision, Finance, Entrepreneurship