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****:* Ralph Sias Scholarship, Benacquisto Scholarship, National Merit Scholar, Eta Kappa Nu, Dean's List

WORK EXPERIENCE

Google - New York City, NY **May 2022 – August 2022**
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:** Java, Guice, TypeScript, Integration/Unit testing, HTML templating, Experiment frameworks

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

Programming Languages: *Expert:* C++, Java, TypeScript; *Proficient:* Python, C, MATLAB, VHDL
Frameworks & Technologies: Git, React, Guice, Docker, Node.js, HTML/CSS, TensorFlow, NumPy, Firebase, JUnit