ERIC ZACARIAS

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EDUCATION

ILLINOIS INSTITUTE OF TECHNOLOGY   *AUGUST 2020 – DECEMBER 2022*
Bachelor of Science - Computer Science   **GPA:** *3.66/4.00*

- **Course Highlights:** Data Structures and Algorithms, Accelerated Object Oriented Programming, Systems Programming, Functional Programming, Computer Graphics
- **Awards:** Dean's List Spring 2021

SKILLS

COMPUTER LITERACY: PYTHON, JAVA, C++, HCL, YAML, JINJA2
ENVIRONMENTS: LINUX, WINDOWS
TOOLS/TECHNOLOGIES: GIT, VIM, AWS, TERRAFORM, JENKINS, PACKER
LANGUAGES: SPANISH, ENGLISH

PROFESSIONAL EXPERIENCE

THE OCC   **CHICAGO, IL**
CLOUD AUTOMATION INTERN   *MAY 2021 – PRESENT*

- Configure, test, and deploy **AWS** resources for development teams using **Terraform** and **Jenkins**
- Automate the management of **AWS** resources using **Lambda, CloudFormation,** and **AWS Config**
- Participate in all aspects of the **CI/CD** process following an Infrastructure as a Service **(IaaS)** model
- Partake in an **Agile**/**Scrum** culture and contribute to sprint deliverables

PROJECTS

CTA STATION MANAGER *(Individual Course Project)*   *DECEMBER 2020*

- Utilized Object-Oriented Programming procedures in **Java** to manage the CTA Stations in Chicago
- Permitted users to add, remove, modify, and search for stations by name and CTA line. Given user's location; searched for the nearest station using array sorting methods
- Allowed users to create, remove, and modify CTA routes. Implemented **algorithm** that generated the most optimal path when the user created new route. Printed out route/transfer instructions to the user

FOOD INTOLERENCE TRACKER *(Personal Project)*   *OCTOBER 2020*

- Employed Object-Oriented Programming procedures in **Java** to implement a food tracker
- Provided users the ability to log meals, foods, symptoms, day of week, and time
- Applied the **Opencsv** parser library to write/save logs to CSV file
- Generated logs after each use and tracked the users most common symptoms to identify foods that the user may be intolerant to

BANK ACCOUNT MANAGER *(Personal Project)*   *DECEMBER 2019*

- Developed using Object-Oriented Programming procedures in **C++**
- Implemented a vector of classes to allow users to manage multiple bank accounts at once
- Provided users with logon functionality, money transfer capabilities, depositing and withdrawing actions, and the ability to create new accounts

GONET ALL SKY CAMERA – RASPBERRY PI *(Alder Planetarium, Chicago – Volunteer Project)*   *JULY – SEPTEMBER 2019*

- Operated as a **lead** in a team of 3; built, configured, tested, and troubleshooted **Raspberry Pis** using **Putty** (SSH Client) and **Linux** shell
- GONet took multiple photos of the sky and algorithms collected data of the images to measure light pollution from streetlights, vehicles, and buildings
- Deployed in various areas in Chicago to research the impacts of light pollution

LEADERSHIP EXPERIENCE

SOCIETY OF HISPANIC PROFESSIONAL ENGINEERS   *AUG 2021-PRESENT*
TECHNICAL CHAIR

- Established new organization website along with a new hosting platform and domain to cut down annual costs by 60 percent
- Automate time-extensive tasks to reduce workload for Treasurer and Secretary officers by implementing scripts written in Java
- Coordinate and plan professional workshops that are tailored to inspire and facilitate professional development for over 40 members