

# Jonathan Ecton

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## SKILLS

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**Software Engineering:** Agile Methodology, Continuous Integration/Deployment, Version Control / Git, Scrum Collaboration

**Primary Programming Languages:** C++, Python, Java, Dart, HTML, CSS

**Web Development:** Flutter, Flask, Django, Ruby on Rails

## EDUCATION

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### B.S. Computer Science

Dec 2023

University of Texas Rio Grande Valley, Edinburg, TX

GPA: 3.43

#### Relevant Courses:

- Data Structures and Algorithms
- Software Engineering I, II
- Organization of Programming Languages

### A.S. Computer Science

Dec 2022

South Texas College, McAllen, TX

## PROJECTS

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### SecureLens | *Senior Project*

Aug 2023 - Present

- Led a team using GitHub Projects for task management and set weekly meetings to enhance collaboration.
- Implemented Agile methodologies with short cycles, frequent commits, and regular online and in-person team meetings for idea pitching and updates.
- Enforced pull requests and peer reviews before merging code to the main branch.
- Designed web pages using Figma and developed them with HTML and CSS.
- Gathered UX/UI feedback from elementary school staff to refine user experience.
- Developed a custom-trained OpenCV model with YOLOv8, using a self- created dataset.
- Built a Flutter-based mobile app for on-site child check-out by parents.
- Automatic License Plate Reader improving after-school pick-up efficiency and campus security in grade schools.

### Ally | *Frontera Hacks Hackathon*

Feb 2023

- An android app I developed at the Frontera Hacks Hackathon that won best social good project
- Developed with Android Studio using Java in a team size of 4.
- The app accepts user input and redirects users to government benefit websites related to their issue

## WORK EXPERIENCE

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### Boilermaker Tower Mechanic | *Koch Specialty Plant Services*

Oct 2014 - May 2022

- Supervisory position as a lead-man with a working crew building and maintaining oil and chemical refineries.
- Addressed any potential task issues with plant engineers.
- Removal and installation of new demisters, liquid distributors, packing material and supports, collectors, and distillation trays.

### Youth Development Coach III | *Texas Juvenile Justice Department*

Aug 2021 - December 2021

- Provided direct supervision and care for offending youth in a residential correctional facility.
- Implemented intervention methods for behavior correction.

## ACTIVITIES

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- Member of Frontera Devs, a software developer club at UTRGV.
- Developed an Android app at the Frontera Hacks Hackathon, which won the Best Social Good Project award.
- Participated in a Google Hack Research Hackathon hosted by UTRGV, and wrote a research paper on identifying a repeated sequence found within a large time series.