CoE Alumni Database

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Why is it Important

- Help Alumni & Students from the COE with:
  - Socializing
  - Widening their network for:
    - Recruiting
    - Job finding

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Users

- Alumni from The College of Engineering at UA
- Additionally, Current Students
  - Seniors looking for alumni networks for entering workforce
  - Co-Op/Interns
  - Looking to connect while still on campus

Core Features (1-2 Slides)

- Robust Relational Database
- Website suitable for desktop and mobile users
- Secure login system
- GIS Integration
- Filtering system for users (major, organizations, graduation year, open to networking)

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Technical Details

The Tech Stack

- Front End
  - HTML, CSS, React
- Back End
  - C#, .NET
- Database
  - SQL
- Github

Reasons

- React is a popular frontend with lots of documentation
- .NET and C# integrate well with HTML, CSS, and React
- SQL is widely used and will allow for proper organization of the necessary data

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Related Apps
(1 slide)

- LinkedIn

- Various Alumni Associations

- Misc. Social Media Groups (Facebook, etc.)

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High Priority Challenges/Obstacles (1-2 slides)

- Determining how to input User Data
  - Alumni Organizations (Honors Society, Greek Organization, Major Engineering Organizations)
- On-Campus Clubs (CoE specific v. Campus)
  - Eco Car, Baja Car vs. Crimson Comedy Collective
- Clearly define and document the project scope and goals
- Ensure the implementation best matches the sponsor's original ideas for project

High Priority Challenges/Obstacles (1-2 slides)

- Scalability
- Initializing our tech stack
  - subject to change after initial idea
- Database security
  - Prevent alumni data breaches
- Verification of Alumni Status
  - Ensure that only Alabama alumni are able to register

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