CANTOR 2023

Project-Based Professional Development for STEM Students

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Mission Statement

To cultivate excellence in academics and professional development for STEM students through process-driven member education and handpicked projects.

Value Proposition

- While business students at the University of Michigan have a large network of clubs geared toward professional development, STEM students do not

- This would be the only student organization which identifies the key steps required for STEM students to get offers at top-tier companies

- This club would provide its members with course scheduling insights, resume/application material support, insight to the recruitment timeline, technical interview preparation, project-based learning, and leadership development opportunities

Founding Principles

- Recruitment for high school graduates should focus on aptitude, curiosity, and commitment, not on ability to stand out in an (arbitrary) interview process

- Process-driven learning early in college best fosters development

- A single-minded focus on working backwards from top-tier job offer requirements and developing in-demand skills/experiences will motivate members to engage with the club
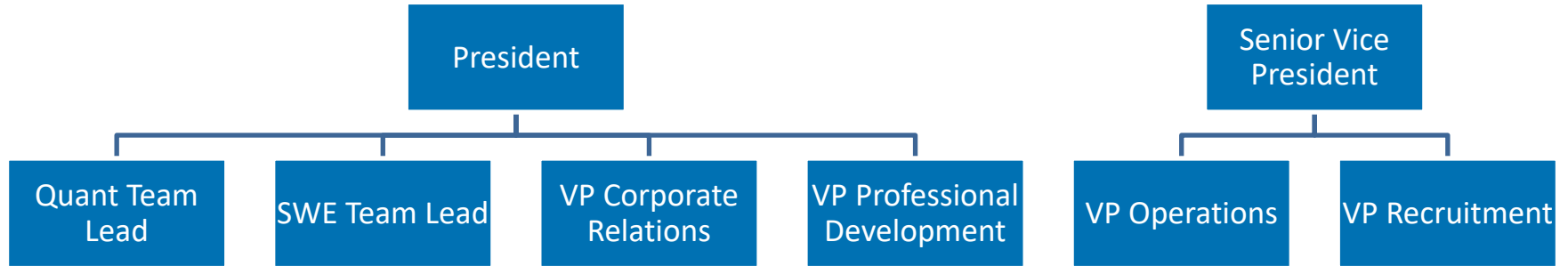
Key Offerings

- Early access to key professional development resources (resume/cover letter workshops, networking input, peer-advising)

- Course advising for younger students

- Project-based learning of key employable skills

- Leadership/Promotion opportunities

- Member-exclusive recruitment/networking events

ORGANIZATIONAL STRUCTURE

Leadership Team Structure

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                    President                         Senior Vice
                                                       President

  Quant Team    SWE Team Lead   VP Corporate   VP Professional    VP Operations    VP Recruitment
    Lead                         Relations      Development
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Coding/Quant Structure

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                Project Team                              Technical Skills
                   Leader                                     Leader
        ┌──────────────┼──────────────┐          ┌──────────────┼──────────────┐
  1st Year Project  2nd Year Project  3rd Year Project   1st Year Member  2nd Year      3rd Year Member
     Manager          Manager          Manager           Educator         Member         Educator
        │                │                │                               Educator
   Project Team     Project Team     Project Team
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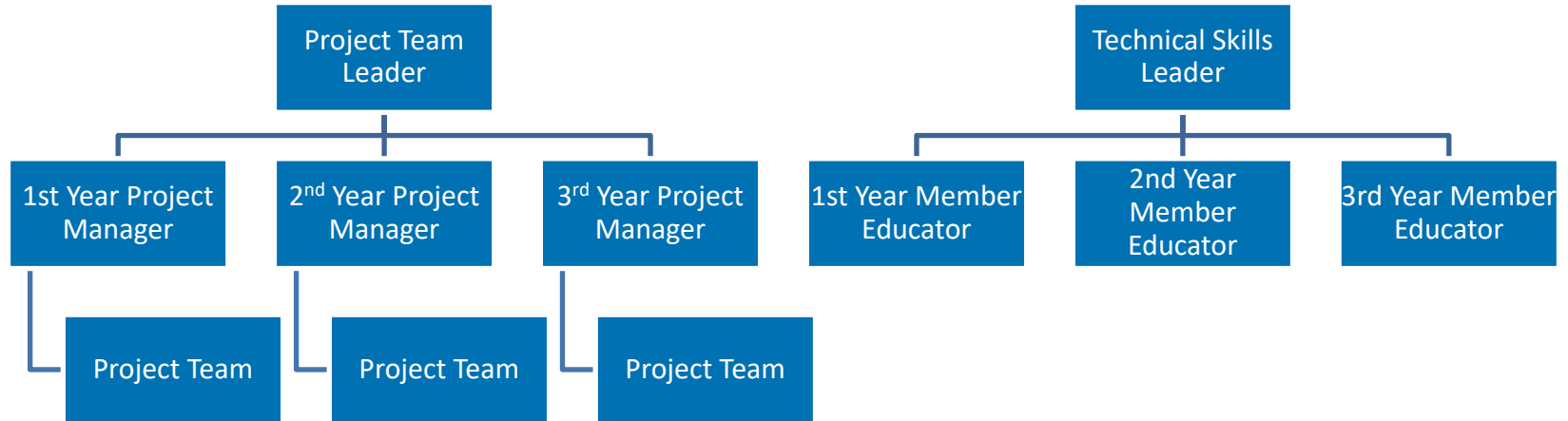
CORPORATE OUTREACH

Corporate Partners

- Companies view student organizations such as this as a pool of highly qualified students

- Strategic outreach after membership has grown and projects have been completed, followed by fostering recruiter relations (and club alumni relations in the long term) will allow for exclusive corporate connections

- These will be a selling point for new members

Networking

- Club participation in corporate coding challenges, hackathons

- Hosting corporate partners for large events, followed by member-exclusive networking opportunities

- Developing a network of alumni who recruit from this organization every year

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NEW-MEMBER RECRUITMENT

Modified Recruitment Process

- Maintain a short, simple process

- Emphasize a focus on aptitude and drive

- Build curiosity about the club through interesting questions and tasks

Recruitment Timeline

INFO SESSIONS
Marketing the club and taking questions

ONLINE APPLICATIONS
Simple (no written prompts)

APTITUDE TEST
Testing quick thinking, core skills

FINAL SUPERDAY
Review presentations on pre-assigned tasks

Lead Michigan's Best and Brightest

Looking forward

- We are establishing dual-affiliation with both the Ross School of Business and the College of Engineering

- We are placing people in key roles and developing the club offerings over the course of the next 5-6 months

- In late March/early April we will begin corporate outreach

Engage with the club

- Reach out to me (Rohan Agrawal, +1 (475) 239-0223) with interest in joining and taking up responsibilities

- I will be placing people in key roles over the course of the next few weeks

- This will be a rewarding experience for all founding members and an opportunity to connect with recruiters and strengthen job applications

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