Funding your STEM Graduate Education

Angello Astorga

Biography

Born in Lima, Peru

Youngstown, Ohio is my hometown (~1 hour from cleveland)

Undergraduate: The Ohio State University

BS: Computer Science

Morrill Scholar

Two-time SROP participant

University of Iowa

Fundamental experience: basic understanding of research

Purdue University

Significantly benefited my career: edge of knowledge research

PhD Student

University of Illinois at Urbana-Champaign

Computer Science (Just finished my first year)

Advisor: Prof Tao Xie

Software Engineering

Automated test generation

Funding

- **Undergraduate**
  - Two-time Hispanic Scholarship Fund Scholarship
  - Morrill Scholarship (Full-tuition)

- **Graduate**
  - Generation Google Scholarship
  - State Farm Companies Foundation Doctoral Fellowship
  - GEM full fellow

University of Iowa - Prof. Aaron Stump

First Research Experience

2nd year in undergraduate

Taken only 2 courses in CS

Heavily Theoretical Research

Case Study

Expectations

Exposure to research

Poster at the end of internship

Mentor- Prof. Stump

Learn the research process and theoretical concepts

"Held my hand"- Not yet independent

Long-term relationship

Many letters of recommendation

Guidance through grad application process

Purdue University - Prof. Xiangyu Zhang

Edge of Knowledge Research

Compilers and Program analysis

No background

Expectations

Tool Development

Independent researcher

Technical Talk

Advanced Research Career

Tool Development

Complex Software - Looks good on resume

Invaluable experience

Graduate School Implications

Current Advisor && Xiangyu Zhang

Current - PhD

Software Engineering Research

    2 projects

       Conference submissions

Interning at Adobe Research

Interning at Microsoft Research

Funding in Graduate school

Generation Google Scholarship

Letters:

Cyndi Freeman

Prof. Stump

Emphasis on Extracurricular

Leadership experience

Underrepresented student

Some technical focus

Funding in Graduate school

State Farm Companies Foundation Doctoral
Fellowship

    Letters:

        Prof. Tao Xie

    Emphasis on letter

GEM Fellowship - Full Fellowship

    Letters:

        Prof. Xiangyu Zhang

        Prof. Tao Xie

        Paolo Bucci Ph.D (Lecturer)

Emphasis

    Heavily Technical

        Specific skills

    Letters

Things to consider

Letters of Recommendation

    Highly important

    Reputation vs Quality

    Context

        When the experience occurred

        What are you applying to

Source of Funding Agency

    National

     Private

     Technical-based

     All-Around based

Things to consider (cont.)

Diverse Experiences

    Social

        Leadership

            Internal Vice President of Social Fraternity(Alpha Psi Lambda)

Service

    Community Service Chair - Honorary Fraternity (Lambda Psi)

Technical

    Outside of the Classroom

        Supercomputer Center

        Research Experience

        Android Development

Contact Information

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