

Peter (Rocky) Villano

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PROFESSIONAL EXPERIENCE

Center for Research Computing, University of Notre Dame

Assistant Research Programmer - Wellbeing at Work

July 2019 - April 2021

- Organized a series of lightning talks to facilitate interdepartmental knowledge transfer
- Empowered client to resolve issues independently with expressive administrative tools
- Designed dynamic visualizations for instant feedback in a React Native app
- Implemented a RESTful API with integrated JSON Schema validation
- Deployed web service using Docker-Compose, Nginx, and Bash Scripts

Computer Graphics and Visualization Lab, Purdue University

Honors Research Project (for credit)

Jan 2019 - May 2019

- Created automatic statistics generator that integrated Python and Excel
- Contributed to an Android app, using camera and networking APIs in Java

Center for Research Computing, University of Notre Dame

Undergraduate Research Assistant (Summer)

May 2017 - Aug 2018

- Developed Android app used for machine learning data acquisition in Java
- Implemented an image upload server backend API using PHP and SQL
- Programmatically generated insightful visualizations in Python

Engineering and Science Computing, University of Notre Dame

Computer Consultant (Summer)

June 2013 - Aug 2016

- Collaborated with students, professors, and staff to solve IT problems

LEADERSHIP EXPERIENCE

BoilerMake Hackathon, West Lafayette IN

Event Planner, Social Media Manager

Jan 2016 - Dec 2019

- Directed advertising that attracted 1600 applicants to Purdue's premier hackathon

Boy Scouts of America, Troop 572, Granger IN

Eagle Scout

June 2008 - June 2015

- Lead a team of 20 volunteers in the construction of telescope platforms at Potawatomi Wildlife Park, IN

EDUCATION

Purdue University, West Lafayette, IN

B.S. in Computer Science Honors; Minors in Mathematics & Psychology

May 2019

- Overall GPA: 3.2; Major GPA: 3.7
- Intro. Computer Animation: Invented color-blind accessibility software utility using C++ and Windows APIs
- I/O (workplace) Psychology: leadership, inclusivity, and positive work environments

TECHNICAL SKILLS

Proficiencies: Bash, Blender, C, C++, C#, Django, Docker, GIMP, NGINX, Java, JavaScript, Linux, macOS, Postgres, Python, React, React Native, SQL, Unix, Windows

Misc. Skills: 3D Printing, Safe Cracking, Wilderness Survival, Poetry