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Elias G. Eldayrie
Vice President & CIO

Coming out the other side of the pandemic, our staff remains focused on moving the university forward. A primary focus is helping UF and the State lead in artificial intelligence (AI) for research and as a priority in classroom curricula.
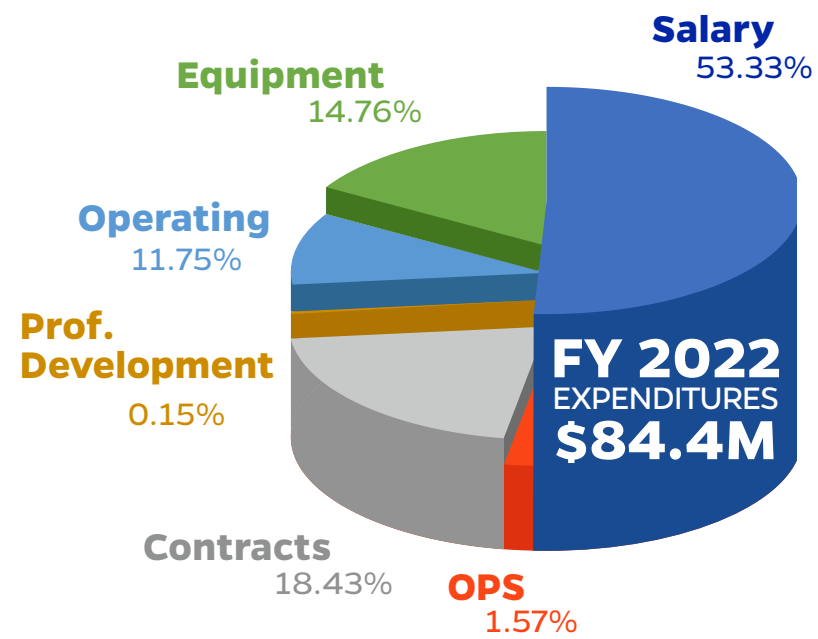
Enabling HiPerGator AI's availability to all State University System of Florida institutions is empowering more than 120 researchers to leverage its 70,000+ compute cores. In addition to more than 40 undergraduate courses at UF using HiPerGator, instructors from Florida's 12 public universities are also incorporating HiPerGator in their teaching, introducing students to AI and its applications across disciplines and majors.

With expertise from UF, the Florida Department of Education recently added a three-year program called "AI Foundations" to its Career and Technical Education Program. The program launched this fall after UF provided specialized AI training to teachers over the summer.

These efforts ensure UF's position as an AI leader in research and in developing teaching curriculum, from the high school through the college level, as well as the continuing development of Florida's public-school teachers.
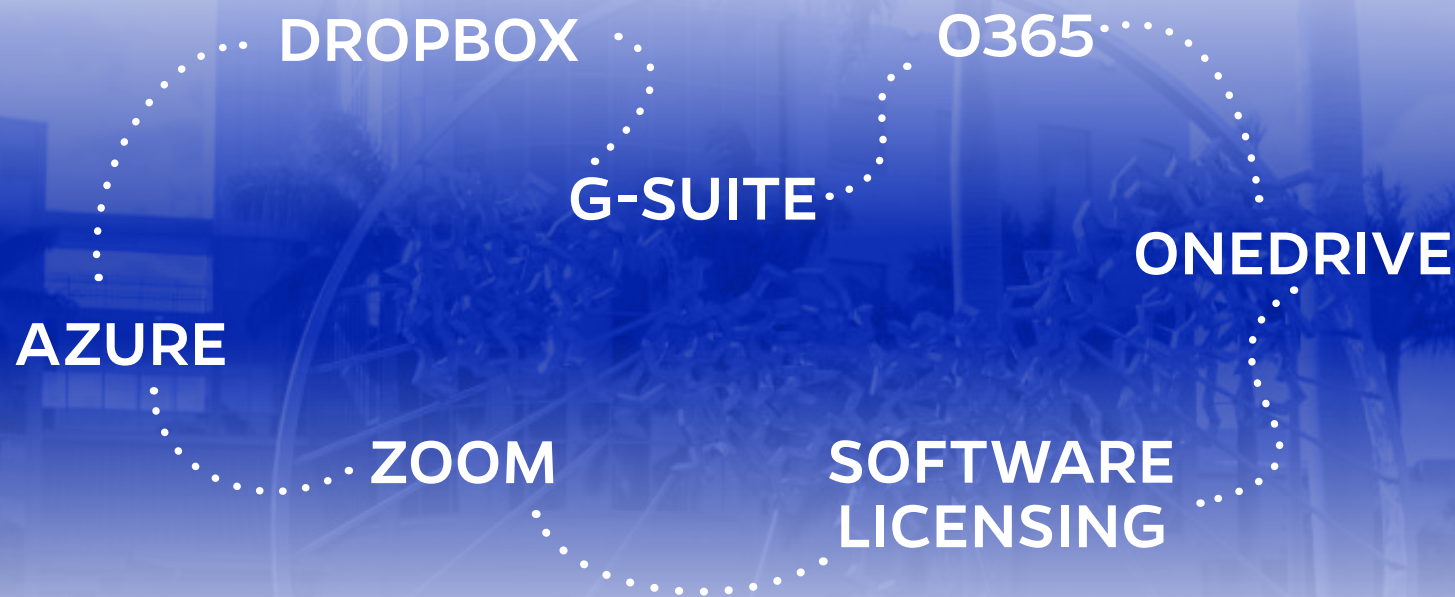
We are excited to support Florida as the country's leader in AI.

Go Gators!

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FY 2022 EXPENDITURES $84.4M

- Salary 53.33%
- Equipment 14.76%
- Operating 11.75%
- Prof. Development 0.15%
- Contracts 18.43%
- OPS 1.57%

In FY22 UFIT reorganized to better enable the six goals in the University of **Florida 2020-2025 Strategic Plan for IT**. The new structure is optimizing how we work by flattening reporting lines and creating a nimbler management layer for UFIT. The former Enterprise Systems department was split into two new departments—Applications, Development, and Integrations, and Data Platform & Analytics. Also launched in FY22 is Customer Experience and Resource Planning, a new department focused on stakeholder advocacy for the UF community.

Support for the Integration of UF Scripps Biomedical Research

- DROPBOX
- O365
- G-SUITE
- ONEDRIVE
- AZURE
- ZOOM
- SOFTWARE LICENSING

Integrating the Scripps Biomedical Research's Jupiter, Florida campus into UF's ecosystem is a transformational opportunity for our university and state. Launched in 2004 as an East Coast location of the world-renowned Scripps Research Institute, the Scripps Biomedical Research facility is home to 50 principal investigators and about 400 staff who conduct research in neuroscience, virology, chemistry, and drug discovery.

Discussions to integrate Scripps' Florida campus began in mid-2021 and formalized in November 2021. Since then, UFIT supported the onboarding needs of 450 Scripps faculty, graduate students, and staff. After onboarding was completed in April, UFIT's efforts have focused on deploying technology solutions to support the extensive research activities underway at Scripps.

UFIT connected Scripps with the Florida LambdaRail (FLR), the state's 100 Gigabit research and education network. FLR enables high-speed fiber connectivity to Scripps faculty and their national and international collaborators.

All Scripps research data is being migrated to UF supported storage infrastructure, which includes UF's GatorCloud, HiPerGator storage, as well as the Isilon system in Jupiter. In FY23, work will get underway with Smathers Libraries to collaborate on migrating Scripps' physical library collections into the UF Smathers catalogue.

Among the many IT services licensed through UF and now provisioned to the Scripps community are Dropbox, G-Suite, O365, OneDrive, and Zoom. UFIT continues to work with the UF Scripps Biomedical Research community to seek additional technical solutions that will further advance their already significant contributions to science.

UF UNIVERSITY of FLORIDA
An Equal Opportunity Institution

2021-2022 Highlights

Progress Toward:

OUR PURPOSE. OUR LEGACY.

The University of Florida Strategic Plan for IT 2020-2025

UF | Information Technology
UNIVERSITY of FLORIDA

SUPPORTING RESEARCH & INNOVATION

560 PI's

4,700 Users

100 Disciplines

INVITING FEEDBACK

Four Surveys and Focus Groups

Five Units with Year-Round Client Evaluations

New Department Focused on Customer Advocacy

MANAGING PROJECTS FOR UF

67 Completed projects

311 UFIT staff spent **154,788** hours on projects and enhancements

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1. Enable Student Success

- Redesigned 21 classrooms to support collaborative, active, and HyFlex pedagogies
- Engaged with the student body to help design inclusive classrooms, garnering in-depth responses from students across the university
- Modernized assessment technologies and practices in the classroom by beginning a research-informed effort to provide new assessment tools, platforms, and strategies
- Supported student success through the *Flipped Advising* educational initiative, benefiting 19,000+ students
- Set up 43 courses for *UF Quest*, a new program impacting nearly all freshmen, and assisted faculty with implementation of assessments on outcomes developed to transform the undergraduate experience

2. Empower the Future of Research

- Finalized agreements with the Southeastern Conference (SEC) and the state university system (SUS) of Florida to make HiPerGator available for SEC and SUS faculty
- Expanded HiPerGator file systems from 7PB to 23PB capacity to meet increased demand and system use
- Supported teaching and learning by arranging use of HiPerGator in more than 60 classes and workshops
- Partnered with NVIDIA to provide guidance, planning, and training for faculty research projects using HiPerGator AI
- Enabled UF Research's $1 billion portfolio milestone with direct-support for 30% of the FY22 portfolio and by supporting two applications––UFIRST and myinvestiGator– that enable researchers to manage their sponsored funding

3. Accelerate Philanthropic Impact

- Supported the UF Foundation in their advancement *Engine Next* planning process
- Started the IT rationalization process with UF Advancement. The IT planning is complete for the first rationalization project (GatorMail)
- Leveraged several campus IT tools—including GatorMail email, installation of a Salesforce environment, master data management, and multiple data mapping applications—in preparation for the next capital campaign

4. Elevate the Stakeholder Experience

- Sunsetted the myUFL Enterprise Reporting environment and provided training and consulting for a new, more robust replacement tool—Enterprise Analytics
- Improved the safety and security of UF's fraternity row: added phones, upgraded the telecommunications system, and installed mass notification speakers and security camera mounts
- Enabled the Office of Strategic Communications & Marketing to enhance the University of Florida's web presence. The full rebranding of the top-level domain (i.e., the UF homepage) went live in April

5. Advance an Analytics-Enabled Environment

- Implemented a predictive system using machine learning approaches to identify at-risk students in 38 core undergraduate courses.
- Realized a series of visualizations and dashboards to inform leadership of student satisfaction with academic advising
- Leveraged HiPerGator resources to process large data sets and complex analytic processing in a matter of hours instead of days. HiPerGator has empowered UF's data science team to mine data at scale
- Designed an adaptive visualization analysis tool to evaluate the impact of various student variables on student success metrics

6. Build a Resilient Cybersecurity Environment

- Finalized first-year baseline of the UF-wide *Cybersecurity Framework Maturity Assessment*
- Completed 2,018 risk assessment projects and implemented 59 significant changes to the information security risk assessment process
- Processed 559 e-Discovery, litigation, and investigative support requests, a 109% increase in the number of requests since 2019
- Restricted network access from specific nations, and banned two-factor authentication attempts and Zoom online meetings sessions started from federal regulatory sanctioned countries
- Increased the frequency of full university network scanning, from 30 days to 14 days to expedite detection of vulnerabilities across the enterprise
- In response to an internal audit, developed a university-wide roles and responsibilities framework to foster an environment of shared responsibility for information security