

Benevolent Computing

Tony Scarlatos

Director, SBU CS Multimedia Lab

The Critique



The Response



The Sahana Software Foundation is dedicated by providing information management solutions to communities to better prepare

Home About Us Products Programs Blog Donate

Ecuador Response

Sahana Software Foundation members are providing gratis support to groups within the Ecuadorian government and to civil organizations who are deploying Sahana EDEN in response to the earthquake that struck Ecuador on April 16th, 2016. Visit our response page to learn more.



CODE for AMERICA

Menu

What if government services were this good?

Imagine a world where your taxes go to programs you're proud of, people get the help they need, and the public trusts government again. We're a nonprofit on a mission to make government services simple, effective, and easy to use.

We've partnered with 130 governments on projects that put technology to work for our citizens. Yours could be next.

Become a partner



What is Benevolent Computing?

- Applications which leverage social media, mobile applications, cloud computing and big data to address social needs.
- Systems which leverage new business models to achieve sustainability and scalability.
- A new interdisciplinary research area focused on user-centered design, team dynamics, and open source technologies to create robust solutions for social good.

Academic Pioneers



About C4G

A culture of philanthropy and the history of computing at the **Georgia Tech College of Computing**. Technology has transformed the world over the decades, and now a major promise of computer science is to improve the progress of communities and the advancement of the world.

The cover of Stony Brook University Magazine, Winter 2018. The top left corner features the Stony Brook University logo and the text "Stony Brook University MAGAZINE 03 | WINTER 2018". The top right corner says "ISSUES". The main image is a close-up of a man in a red shirt looking down at a child. The title "Computing for Social Good" is written in large, bold, red letters. Below the title is a quote: "Benevolent computing" harnesses technology for a better world. The author is listed as "BY CHRISTINE CESARIA". At the bottom, there is a link "Read the story" with a downward-pointing arrow.

Benevolent Computing Teaching Goals

- Experience for students in building effective teams and working with clients
- Field work identifying problems and stakeholders
- Research of viable solutions, technologies, and platforms
- Visualizing and documenting research and proposed solutions through a design brief
- Implementing a prototype, with integration and iteration in mind, through publication of source code and a software design document

Project Selection



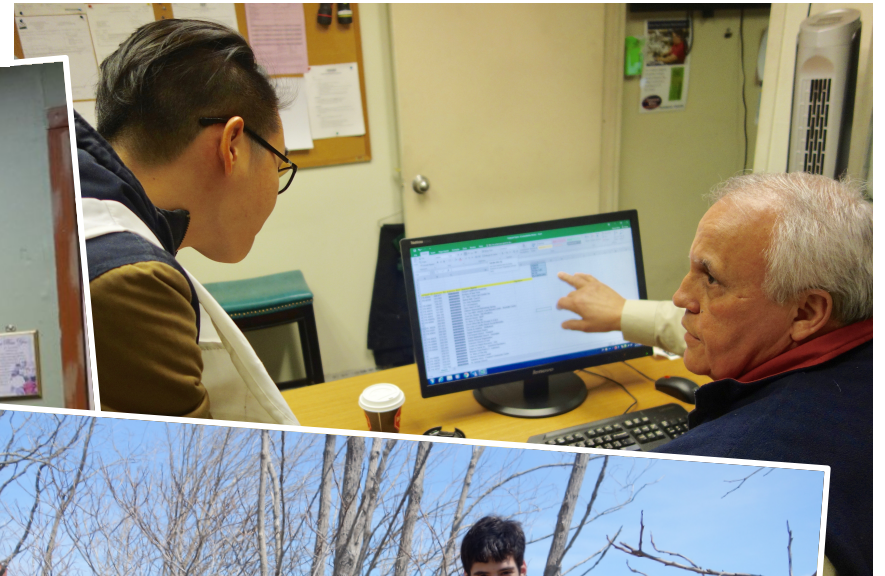
Team Work



Working with clients



Field Work



Technology

The image is a collage of three overlapping elements:

- Microsoft Power BI Dashboard:** The top-left element shows a Power BI interface with a yellow header bar containing the 'Power BI' logo. Below it is a 'PRESENTATION DASHBOARD' with a search bar that says 'Ask a question about your data'. The main area features a pie chart with several segments, each labeled with 'Count of Caller Issues - Suicidal Thoughts - [Party]'. The labels include '3rd Party', '1st Party', and '3rd Party'.
- Parse Server Website:** The central, largest element is a screenshot of the Parse Server website. It features the Parse logo in the top left, and navigation links for 'Migration Guide', 'Docs', 'Help', 'Blog', and 'Dashboard' in the top right. The main heading is 'Parse Server' in large white font, with the subtext 'The open source Parse backend. Setup your self-hosted Parse API today.' Below this are two prominent buttons: 'Migrate Existing App' and 'View on GitHub'.
- Pie Chart:** The bottom-right element is a partial view of a pie chart with segments in red, dark green, and light blue, with a label 'Count of Caller I...'.

Design and Implementation

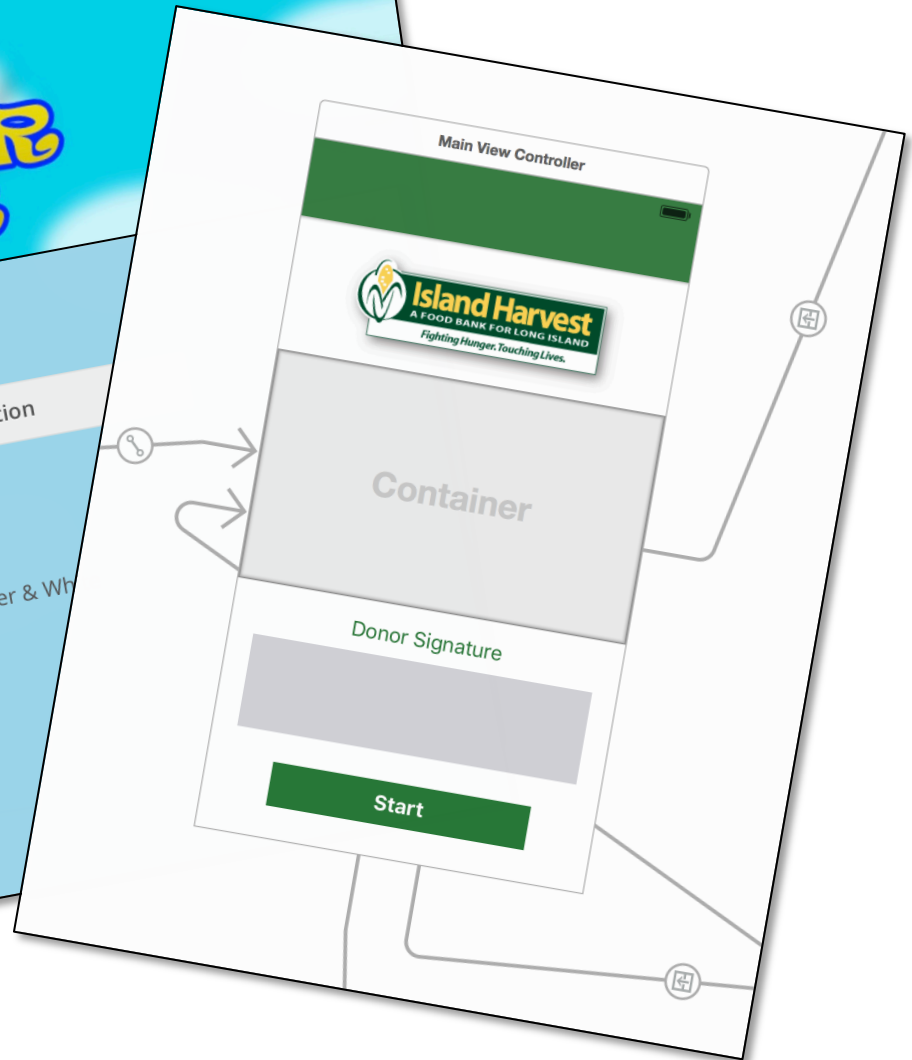
SUNSHINE CHARACTER CREATOR

Mr. Bruno

More Information



Breed: American Shorthair
Gender: Male
Age: 4 Year(s)
Color Scheme: Brown Tiger & Wh
Coat Type: Short
Declawed: No
Spayed/Neutered: No
Good With Pets: No
Good With Kids: No
Staff Comments:



Pilots (ES BOCES, Cleary School)



Publications

- IEEE Xplore
- IASTED
- Journal of Educational Technology Systems

iSIGN: MAKING THE BENEFITS OF READING ALOUD ACCESSIBLE TO FAMILIES WITH DEAF CHILDREN

Tony Scarlatos
Computer Science Department
Stony Brook University, SUNY
Stony Brook, NY 11794
USA

Lori Scarlatos
Computer and Information S
Brookl
e, CUN
11210

Francesco Gallarotti
ment

J. EDUCATIONAL TECHNOLOGY SYSTEMS, Vol. 33(2) 165-172, 2004-2005

Investigating the Impact on Fluid Intelligence by Playing N-Back Games with a Kinesthetic Modality

James Bouker
Computer Science Department, Stony Brook University
Stony Brook, New York
james.bouker@stonybrook.edu

Anthony Scarlatos
tony@cs.stonybrook.edu

FINGERSPELL: LET YOUR FINGERS DO THE TALKING*

**TONY SCARLATOS
DMITRI NESTERENKO**

State University of New York at Stony Brook

Presentations and Press

Pet Project

Elizabeth Crowe '15 brings
'Benevolent Computing' to
Smithtown Animal Shelter



Reviews

“I wanted to send feedback for this group because they truly went above and beyond for me.

They took their time explaining every detail so I would understand it. Nicole was available by email almost weekly. She helped me with other computer or technology needs like changing adobe files to PDF files so I could redesign our brochure.

The new design of the website is much cleaner and easier for clients to navigate to find what they are looking for. I love the design of the logo which brings the color I was looking for.

I appreciate them working with me after the project to get all the projects onto the site and begin using them all.

Again, I appreciate all the details, like recognizing all the supporters, designing a logo, setting up the ability to take donations. They listened to my ideas and needs of Sunshine and addressed them.

I appreciated the opportunity to work together with this Team and thank you again for everything.

Sincerely, Carol”

– Dr. Carol Carter, Director of Sunshine Prevention Center, Port Jefferson , NY

Current Work



SPORTS

INSIDE ATHLETICS

SEAWOLVES UNITED

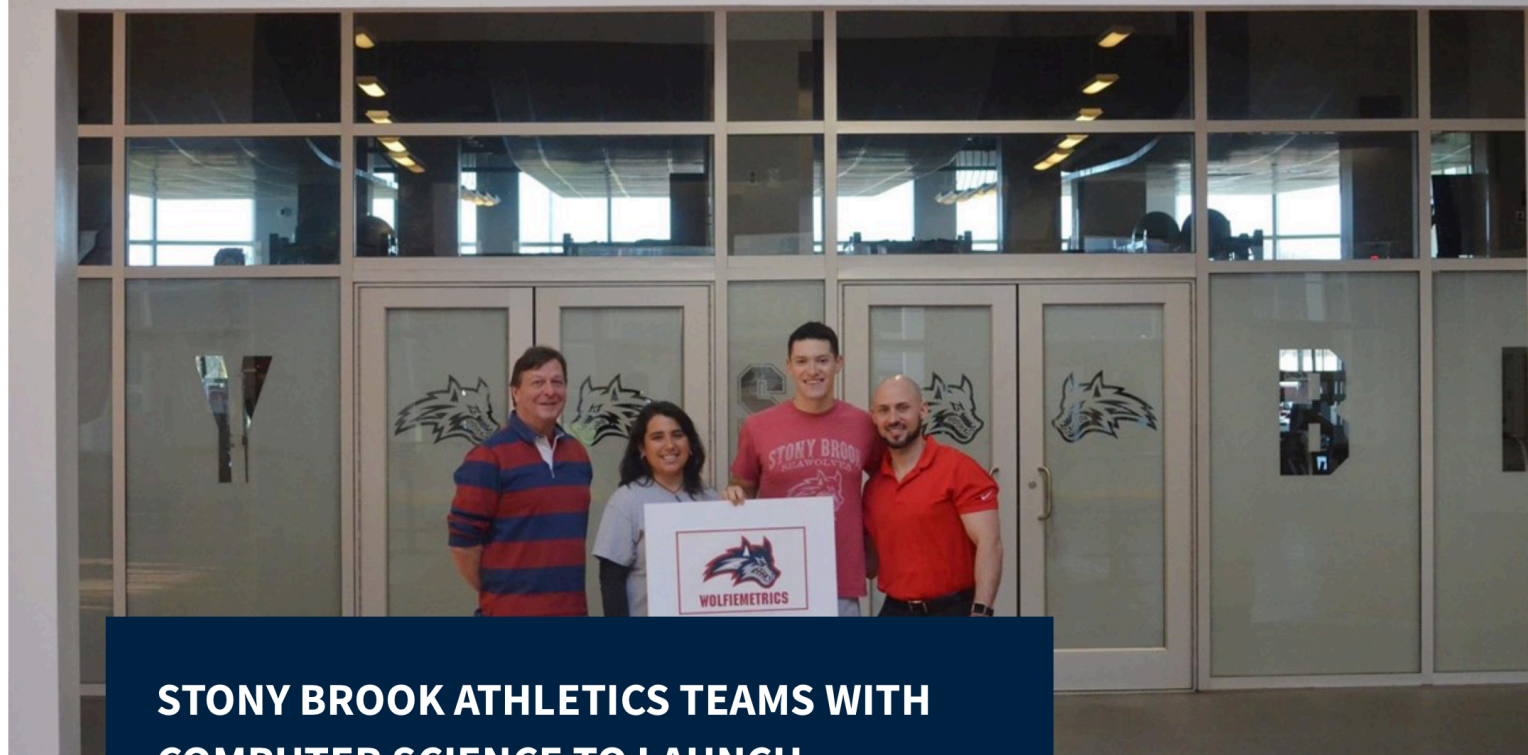
RECRUITS

FAN ZONE

♥ DONATE

🎫 TICKETS

GENERAL



**STONY BROOK ATHLETICS TEAMS WITH
COMPUTER SCIENCE TO LAUNCH
WOLFIEMETRICS**

RELATED NEWS

Conclusions

- Benevolent Computing provides students with a rich environment for experiential learning and development of critical thinking skills
- Socially-oriented software development attracts a diverse, interdisciplinary range of students; and challenges them to collaborate with each other, clients, and stakeholders
- Computing for Good projects help rebut the antisocial and unethical stereotypes of CS and engineering students, and provide assistance to local non-profits

Any Questions?



tony@cs.stonybrook.edu

https://xsrv.mm.cs.stonybrook.edu/c4g/ncsce_talk.pdf

Agencies Served

- Response of Suffolk County
- LI Coalition for the Homeless
- LI Harvest
- Sunshine Prevention Center
- EAC
- This Machine Feeds
- Long Island Against Domestic Violence
- Boy Scouts of America
- Toys of Hope
- Global Innovation Team
- Smithtown Animal Shelter
- Cleary School for the Deaf

Select industry and non-profit links

Google.org

<https://www.google.org>

Code for America

<https://www.codeforamerica.org>

MobileActive

<http://www.mobileactive.org>

Sahana Software Foundation

<https://sahanafoundation.org>

Engineering for Change

<https://www.engineeringforchange.org/category/information-systems/>

Games for Change

<http://www.gamesforchange.org>

Academic Links

Georgia Tech's Computing for Good Program

<https://computingforgood.wordpress.com>

<https://bitsofgood.org>

<https://www.networkworld.com/article/2270704/applications/computing-for-good--web-technology-to-solve-human-problems.html>

Stony Brook University's Benevolent Computing Program

<https://xsrv.mm.cs.stonybrook.edu/c4g/>

<https://www.stonybrook.edu/magazine/2018-winter/computing-for-social-good>

Select Project Links

Shelterware

https://xsrv.mm.cs.stonybrook.edu/c4g/shelterware_sbu_feature.pdf

Sunshine Prevention Center Web Site:

<https://www.sunshinepreventionctr.org/>

Response of Suffolk County Call Data Visualization:

https://xsrv.mm.cs.stonybrook.edu/c4g/response_stats.pdf

Select Project Links

iSign (Cleary School for the Deaf):

<https://xsrv.mm.cs.stonybrook.edu/TS/research/iSign/iSign.html>

iSign IASTED paper:

https://xsrv.mm.cs.stonybrook.edu/publications/iSign_IASTED.pdf

Select Project Links

SBU World Trade Center Health Program

Tech Report:

<https://tr.cs.stonybrook.edu/tr/sbcs-tr-2017-6>

Oral history videos and transcripts:

<http://130.245.140.252:8080/engage/ui/index.html>