

DARWINS' DEMONS MOBILE: EXPANDING THE MARKET FOR EVOLUTIONARY PROCEDURAL CONTENT GENERATION.

PROGRESS REPORT: Grant Number IF20-003
PRINCIPAL INVESTIGATOR: Barrie Robison
REPORTING PERIOD: July 1, 2019 – January 1, 2020

SUMMARY OF PROJECT ACCOMPLISHMENTS:

Hired lead artist and game developer (Landon Wright).

Hired development team:

Programmers: Lily Mason and Graeme Holliday

Music and Sound: Parker Piedmont

Interface and 2D Art: Aaron Yama

Marketing and Social Media: Savanna Estey

Developed “Darwin’s Demons Moblie” into a playable beta stage. The game is a space shooter that features evolving opponents that are procedurally generated. We can provide copies of the game for Android or Apple devices. The game features 5 ships, more than 25 pieces of equipment, 2 maps, and a soundtrack that evolves along with the enemy population.

Registered with Google Play store for sale.

Registered with Apple App store through the UI’s account.

Developed the microtransaction business model and are now incorporating it into the game’s architecture.

PLANS FOR THE NEXT REPORTING PERIOD:

Integrate game store page into the software (this task is close to completion).

Continue to beta test and refine the game mechanics.

Build out additional maps

Develop store pages on Google Play and Apple App store.

Release the game on Google Play and App Store with a staggered release strategy. This will allow us to deal with post release bug fixes one platform at a time.

Begin and sustain an advertising and promotion campaign.

SUMMARY OF BUDGET EXPENDITURES:

As of Feb 1, 45.95% of our funds remain. We are on track with regard to our spending projections, as the burn rate for the 2D artist position will increase to 10 hours per week.

Detailed reports of our expenditures are attached.

FACULTY AND STUDENT PARTICIPATION:

One staff (artist/game developer) and five students were directly supported by grant funds during the reporting period. Drs. Barrie Robison and Terry Soule are the primary faculty, but we collaborate with colleagues from Education (3), English (1), VTD (3), Music (1), and Business (1).

Total Student Participants: 5

Total Faculty Participants: 11

Total Staff Participants: 1

PATENTS, COPYRIGHTS, AND CERTIFICATES:

None, but we will file a disclosure with our office of Tech Transfer prior to completion of the grant.

LICENSES AND START-UP BUSINESSES:

Should the game sales perform well, we will create an LLC.

INDUSTRY AND PRIVATE PARTNERSHIPS:

None (yet).

ADDITIONAL FUNDING AND BURN RATE:

Our burn rate is described in the attached financial statements.

We have applied for a \$1.5 million grant from the National Institutes of Health with our colleagues from the College of Education. We are also working on additional proposals for future games that would be licensed to the LLC if formed.

ADDITIONAL INFORMATION:

None.

Grant Budget Status

		Total Budget	Total Expenses	Commitments	Available Balance	% Remaining
3979 Research Centers and Institutes						
Grant Code: CB3911 - ISBOE Darwin's Demos Mobile					Grant Start: 7/1/2019	
PI Name: Robison, Barrie					Grant End: 6/30/2020	
F&A Rate: 0					% Time Remaining: 39.33	
Fund Level 2: 222	Other					
Fund: 223911	ISBOE Darwin's Demos Mobile					
Index: 897803	ISBOE Darwin's Demos Mobile					
Orgn: 897	Initiative for Bioinfo & Evol Study					
10-SALARY		53,939.00	15,793.60	9,812.05	28,333.35	52.53
11-FRINGE		16,789.00	6,632.74	0.00	10,156.26	60.49
12-IRRHELP		0.00	6,949.50	0.00	(6,949.50)	0.00
30-OP EXP		3,972.00	1,187.28	0.00	2,784.72	70.11
Fund: 223911	Total	74,700.00	30,563.12	9,812.05	34,324.83	45.95
Grant: CB3911	Total	74,700.00	30,563.12	9,812.05	34,324.83	45.95
	Total	74,700.00	30,563.12	9,812.05	34,324.83	45.95

Grant Code	CB3911
Fiscal Period	(All)

Row Labels	Sum of YTD
10	11849.92
Salaries	11849.92
10	0
Salaries	0
sm setup	0
J1252954	0
E4106	11849.92
Staff	11849.92
Encumbrance Salaries (Adj)	0
F0172118	0
F0173015	0
F0174360	0
F0175336	0
F0176268	0
F0177255	0
F0178372	0
Encumbrance Salaries (Orig)	0
F0171342	0
HR Payroll 2019 UI 19 0	1481.24
F0171347	1481.24
HR Payroll 2019 UI 20 0	1481.24
F0172121	1481.24
HR Payroll 2019 UI 21 0	1481.24
F0173018	1481.24
HR Payroll 2019 UI 22 0	1481.24
F0174273	1481.24
HR Payroll 2019 UI 23 0	1481.24
F0175339	1481.24
HR Payroll 2019 UI 24 0	1481.24
F0176271	1481.24
HR Payroll 2019 UI 25 0	1481.24
F0177259	1481.24
HR Payroll 2019 UI 26 0	1481.24
F0178375	1481.24
11	4989.87
Fringe Benefits	4989.87
11	0
Fringe Benefits	0
sm setup	0
J1252954	0
E4281	4799.21
Staff CFR Benefit Expense	4799.21
HR Payroll 2019 UI 19 0	599.9

F0171349	599.9
HR Payroll 2019 UI 20 0	599.9
F0172123	599.9
HR Payroll 2019 UI 21 0	599.9
F0173020	599.9
HR Payroll 2019 UI 22 0	599.9
F0174275	599.9
HR Payroll 2019 UI 23 0	599.9
F0175341	599.9
HR Payroll 2019 UI 24 0	599.9
F0176273	599.9
HR Payroll 2019 UI 25 0	599.9
F0177261	599.9
HR Payroll 2019 UI 26 0	599.91
F0178377	599.91
E4282	190.66
Student CFR Fringe Expense	190.66
HR Payroll 2019 UI 20 0	3.95
F0172123	3.95
HR Payroll 2019 UI 21 0	24.1
F0173020	24.1
HR Payroll 2019 UI 22 0	33.03
F0174275	33.03
HR Payroll 2019 UI 23 0	37.24
F0175341	37.24
HR Payroll 2019 UI 24 0	32.78
F0176273	32.78
HR Payroll 2019 UI 25 0	21.81
F0177261	21.81
HR Payroll 2019 UI 26 0	37.75
F0178377	37.75
12	5606.25
Temporary Help	5606.25
E4135	5606.25
Temporary Student	5606.25
HR Payroll 2019 UI 20 0	116.25
F0172121	116.25
HR Payroll 2019 UI 21 0	708.75
F0173018	708.75
HR Payroll 2019 UI 22 0	971.25
F0174273	971.25
HR Payroll 2019 UI 23 0	1095
F0175339	1095
HR Payroll 2019 UI 24 0	963.75
F0176271	963.75
HR Payroll 2019 UI 25 0	641.25
F0177259	641.25

HR Payroll 2019 UI 26 0	1110
F0178375	1110
30	777.3
Other Expense	777.3
30	0
Other Expense	0
sm setup	0
J1252954	0
E5330	750
Software/Applications - College/Dep	750
Supplies 08302019	250
ZT722470	250
Supplies 09302019	250
ZT722470	250
Supplies 10302019	250
ZT850594	250
E5560	27.3
Technology - Supplies	27.3
Supplies 10222019	27.3
ZT850594	27.3
RV	23223.34
Revenue	23223.34
R3731	23223.34
Grants & Contracts - State	23223.34
HR Payroll 2019 UI 19 0	2081.14
F0171347	1481.24
F0171349	599.9
HR Payroll 2019 UI 20 0	2201.34
F0172121	1597.49
F0172123	603.85
HR Payroll 2019 UI 21 0	2813.99
F0173018	2189.99
F0173020	624
HR Payroll 2019 UI 22 0	3085.42
F0174273	2452.49
F0174275	632.93
HR Payroll 2019 UI 23 0	3213.38
F0175339	2576.24
F0175341	637.14
HR Payroll 2019 UI 24 0	3077.67
F0176271	2444.99
F0176273	632.68
HR Payroll 2019 UI 25 0	2744.2
F0177259	2122.49
F0177261	621.71
HR Payroll 2019 UI 26 0	3228.9
F0178375	2591.24

F0178377	637.66
Supplies 08302019	250
ZT722470	250
Supplies 09302019	250
ZT722470	250
Supplies 10222019	27.3
ZT850594	27.3
Supplies 10302019	250
ZT850594	250
Grand Total	46446.68