Adrian H. Padin

326 E. Madison St, Ann Arbor, MI 48104
apadin@umich.edu · (440) 724-9273

SUMMARY

Seeking a full-time software engineering position. I have 2+ years experience in embedded Linux software development in C++, and a year of experience in data processing and machine learning in Python. I am a motivated and hard-working individual with an desire to make a difference and collaborate with like-minded people.

EDUCATION

University of Michigan — Ann Arbor, MI
B.S.E. in Computer Engineering — May 2017
Minor in Music
GPA: 3.94/4.0

Relevant Coursework

EECS 473: Advanced Embedded Systems	EECS 482: Operating Systems
EECS 461: Embedded Control Systems	EECS 445: Machine Learning
EECS 373: Microprocessor Programming	EECS 388: Computer Security

WORK EXPERIENCE

Control-Tec, LLC. — Allen Park, MI
C++ Software Developer, Embedded Linux — May 2017 - Present

- Developed next-generation automotive data collection software for live data-processing applications.
- Managed a small team of engineers to assist in software development and white-box testing.
- Extensive experience with Legato embedded Linux IoT platform.

Merit Network, Inc. — Ann Arbor, MI
Research Assistant, Data Analyst — May 2016 - May 2017

- Worked in Security Research division under Dr. Michalis Kallitsis
- Assisted with developing Machine Learning algorithms and tools to detect false data injection attacks on the smart grid.
- Primary author on a research paper detailing an experiment conducted at NextEnergy in Detroit, MI, to test custom analysis software in a real-world environment.

Innovative Devices, Inc. — Bedford Hts., OH
Software Engineering Intern — May 2015 - Sept 2015

- Assisted in research and development of the Mycestro wearable computer mouse and worked with a team of engineers to develop integration software in Python and Ruby for using the Mycestro as a 3D mouse.
- Wrote Python plugins to model rotations of simulated objects using matrix rotations and vector mathematics. Motion data from the Mycestro was then used to control these rotations.
- Attended patent strategy and business development meetings, and gave sales presentations to potential investors.

TECHNICAL SKILLS

Programming Languages: Proficient in C, C++, and Python; familiar with HTML
Software: Microsoft Word and Excel, MATLAB, LaTeX, Git
Hardware: Experience designing custom PCBs using Eagle and soldering by hand

PERSONAL

University of Michigan Marching Band — Aug 2013 - May 2017
Trumpet Player
Manager, MMB Merchandise Staff from 2014-2015
Treasurer, Tau Beta Sigma Honorary Band Society from 2015-2017

WEBSITES

LinkedIn: https://www.linkedin.com/in/adrian-padin-320a34a4
GitHub: https://github.com/padinadrian
Stack Overflow: https://stackoverflow.com/users/5179394/clyde