BENJAMIN MACCINI

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I am an Austin-based developer with experience in early-stage product development, algorithms, and machine learning. I enjoy working with small, multi-disciplinary teams on complex technical problems. Above all else, I seek to grow with my team through meaningful personal relationships and the exploration of new technologies and processes.

EXPERIENCE

Pensa Systems, Software Engineer   **Jun 2019 – Jun 2020**

- Led design and execution of cross-team projects including:
  - Diagnostic tooling for runtime object localization services
  - Cloud-based microservices for video preprocessing
- Evaluation and QA of deep learning models for information retrieval and object categorization.
- Developed infrastructure for various steps of the machine learning life-cycle including hyperparameter tuning and data collection
- Implemented a custom 3D scene reconstruction algorithm
- Productionized research-oriented Python code, effectively eliminating runtime failure

Pensa Systems, Intern/Contractor   **Feb 2018 – Jun 2019**

- Led the coordination of independent contractors for the purpose of data collection and data labelling
- Engaged in field operations for experimental trials
- Responsible for evaluating system accuracy measures

EDUCATION

University of Texas at Austin

- B.S. in Mathematics (College of Natural Sciences)
- Minor in Business (McCombs School of Business)
- Elements of Computer Science Certificate (College of Natrual Sciences)

Relevant Coursework/ Independent Pursuits

Applied number theory, applied linear algebra, data analytics, one-shot learning, verifiable voting systems

SKILLS

General Software Methodologies and Tooling

- Web Application Development
- Test Driven Development
- AGILE Methodologies
- Git
- Remote/asynchronous development
- Team coordination tools (Google Services, Kanban, Slack)

Cloud

- AWS (Lambda, ECS, SQS, S3, Cloudwatch)
- Docker
- Continuous Integration (CircleCI)
- Microservice architecture
- Terraform

Languages

Language	Proficiency	Packages / Related Software
Python	Fluent	asyncio, flask, numpy, opencv, pandas, scipy, tensorflow
SQL	Fluent	PostgreSQL, SQLAlchemy
Bash / Unix	Working Knowledge	awk, curl, docker, git, make, screen, ssh, vim
Go	Working Knowledge	gin, gonum, Hugo, math, net/http